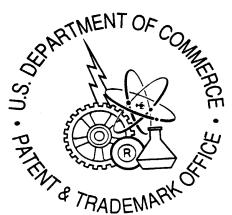


UNITED STATES PATENT GRANTS BY STATE, COUNTY, AND METROPOLITAN AREA

(UTILITY PATENTS, 1990 - 1996)



A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

April 1997
OFFICE OF ELECTRONIC INFORMATION PRODUCTS
U.S. PATENT AND TRADEMARK OFFICE
WASHINGTON, DC 20231

**UNITED STATES PATENT GRANTS,
BY STATE, COUNTY, AND METROPOLITAN AREA
(Utility Patents, 1990 - 1996)**

This report, prepared by the Office of Electronic Information Products of the United States Patent and Trademark Office (USPTO), presents the numbers of patents granted to residents of each state, county (or county equivalent), and metropolitan area of the United States. Federal Information Processing Standards (FIPS) codes for each geographic area are also provided.

The geographic distribution of patents is based on the residence of the inventor whose name appears first on the printed patent. Only utility patents granted from 1990 - 1996 with a first-named inventor who resided in the United States are included in this report.¹ Data for other years will be included in future publications, as the data become available.

The patent data used to prepare this report were derived from the USPTO's Technology Assessment and Forecast data base. Records in this relational data base contain patent status and bibliographic information that is used by the Office of Electronic Information Products to develop statistical summaries of patent activity. A general description of the methodology used to generate the geographic distributions of patent activity is contained in the sections which follow.

For additional information about this report, or other patent data that are available from the USPTO, please contact the Office of Electronic Information Products by telephone at (703) 306-2600, or by telefax at (703) 306-2737. Written correspondence should be addressed to:

USPTO
Office of Electronic Information Products
PK3--Suite 441
Washington, DC 20231

DATA SOURCES AND METHODOLOGY

The distributions of patents by state and by metropolitan area are derived from a distribution of patents at the county level. Unfortunately, the inventor county of residence seldom appears on patent records. Most patent records show only the inventor city and state of residence. Full address information, including zip code, is present only when the patent is owned by an individual (as opposed to an organization). Less than one quarter of the patents awarded to U.S. resident inventors are individually owned. Therefore, a distribution of patents by county is, to a large extent, based on inventor city and state data.

The methodology used to determine inventor county of residence involves matching the inventor city, state, and zip code (if present) with corresponding data from a geographic reference file that also contains the county location of each combination of city, state, and zip code in the United States.

The geographic reference file used by USPTO to determine inventor county of residence contains 185,000 records that identify the city, state, zipcode, and county location of populated places in the United States. This file was developed from three data sources:

¹ The majority of patents issued by the USPTO are utility (i.e. invention) patents. Other types of patents and patent documents issued by USPTO, but not included in this report, are plant patents, design patents, statutory invention registration documents, and defensive publications.

- Federal Information Processing Standards Publication 55: *Guideline: Codes for Named Populated Places, Primary County Divisions, and Other Locational Entities of the United States and Outlying Areas* (Department of Commerce, National Institute of Standards and Technology);
- the *Geographic Names Information System* (U.S. Department of the Interior, U.S. Geological Survey); and
- a data file based on the 1990 City-State file developed by the United States Postal Service.

Additional records were added to the geographic reference file to reflect naming conventions likely to appear on patent records, such as abbreviations (e.g., “hgts.” or “heights”), and frequently misspelled city names (e.g., “Tucson” or “Tuscon”).

About 88% of the patents can be associated with a specific county by matching inventor address information with records in the geographic reference file. About one-tenth of 1% of the patents can not be associated with any county and these are identified as county UNKNOWN in Table 3. The remaining 12% of patents contain inventor addresses that correspond to two or more counties. Usually, this situation occurs when the inventor address corresponds to a single, populated place that spans multiple counties. Occasionally, this situation can occur when the inventor address corresponds to two or more places within a state that share the same name. In some states, for example, the same township name can appear in ten or more counties.²

The program that matches inventor address data to geographic reference data also assigns a weight to each patent to indicate the number of counties associated with that patent. When a patent is associated with a single county, the county weight equals “1.” When a patent is associated with multiple counties within a state, a fractional weight is assigned (e.g., .5 = two counties; .33 = three counties, etc.). Patent counts for each county are calculated from the sum of these weights. State and metropolitan area counts are calculated from the appropriate county totals.

METROPOLITAN AREAS

The numbers of patents awarded to inventors within a county do not necessarily reflect the level of inventive activity that is occurring within that county. County totals are based on inventor county of residence, which is not necessarily the same as the inventor county of employment. A distribution of patent activity by metropolitan area is, by definition, more likely to encompass residential and employment areas.

A metropolitan area is a geographic area that contains a large population nucleus, plus surrounding communities with a high degree of social and economic integration with that population nucleus. At a minimum, the population nucleus consists of a city or urbanized area with a population of at least 50,000 inhabitants.

² Although relatively few patents contain place names that correspond to multiple places within a single state, this can be a potentially serious source of error in the number of patents associated with some counties. This is particularly true if a larger city with a high volume of patent activity (e.g., Mountain View, CA) shares the same name as a small town with little or no patent activity. The procedure for identifying these situations was to first identify any incorporated place, census designated place or minor civil division with a 1990 population of 2,500 or more inhabitants. These place names were then compared to place names on the geographic reference file to identify multiple places with the same name within each state. The resulting place names were queried on USPTO’s Automated Patent System to determine if patents were issued to inventors in one or more of the places with the same name. The residence of other inventors and assignees was used to determine the probable geographic location of each patent. If research indicated high patent activity was concentrated in some, but not all of the locations, duplicate place names without patent activity were deleted from the geographic reference file.

The Office of Management and Budget established criteria to define several categories of metropolitan areas. These criteria consider factors such as percent urban, population density, and patterns of commuting to work to establish the limits of the metropolitan area. With the exception of the New England region, the geographic limits of a metropolitan area are defined by county boundaries. This facilitates the comparison of various socio-economic data that are compiled at the county level. In the New England region, cities and towns have a high degree of administrative importance and these are typically used to define the boundaries of a metropolitan area. One exception is the New England County Metropolitan Area (NECMA). The limits of a NECMA are defined by county boundaries, instead of cities and towns, in order to facilitate analysis of socio-economic data that can not be compiled at the sub-county level.

Other categories of metropolitan area include the Metropolitan Statistical Area (MSA), formerly known as a Standard Metropolitan Statistical Area, the Consolidated Metropolitan Statistical Area (CMSA), and the Primary Metropolitan Statistical Area (PMSA). Generally, an MSA includes a city or urban area with at least 50,000 inhabitants, plus surrounding counties (or subcounties in New England) with metropolitan characteristics. The CMSA is a much larger metropolitan area with at least one million inhabitants and which meets certain other definitional criteria. CMSAs are composed of PMSAs and PMSAs are composed of counties (or subcounties in New England).

New metropolitan areas can be established or the geographic composition of current metropolitan areas can occur each year. The metropolitan areas identified in this report were announced by the Office of Management and Budget to be effective July 1, 1996. Some metropolitan areas in this report were not established for the entire period 1990-1996, although patent data are presented for the entire period. Thus, the total number of patents awarded to inventors who resided in metropolitan areas can change for earlier years if new or modified metropolitan areas are announced in the current year. In addition, changes to previously published data can result from changes to the patent file. The Office of Electronic Information Products continuously monitors the content of the patent file to ensure the accuracy of the data. During 1996, corrected state code errors on inventor records from 1990-1992 resulted in an increase in previously published patent counts for California (especially Los Angeles County) and Pennsylvania.

DATA TABLES

Table 1. U.S. Utility Patent Grants by Metropolitan Area, 50 States, 1990-1996, Rank Ordered List, Based on 1996 Grants.

This table provides the number of utility patents awarded to inventors in each MSA, NECMA, and PMSA in the 50 states. Metropolitan areas are rank-ordered, by patent count, from highest to lowest. For metropolitan areas in the New England region, only NECMAs are included in Table 1, since patent counts are not available for the subcounty areas that comprise other categories of New England metropolitan areas.

Table 2. U.S. Utility Patent Grants by Metropolitan Area and Geographic Components, 1990-1996.

This table provides the total number of utility patents awarded to inventors in each CMSA, MSA, NECMA, and PMSA in the 50 states. Patent counts are also provided for the geographic components of each metropolitan area. Metropolitan areas are listed in the sequence of their FIPS metropolitan code, which is generally alphabetic order.

Table 3. U.S. Utility Patent Grants by State, County, and County Equivalents, United States and It's Possessions, 1990-1996.

This table provides the number of utility patents awarded to inventors in each U.S. state, county, or county equivalent, the District of Columbia, U.S. Pacific Islands, Guam, Puerto Rico, and the U.S.

Virgin Islands. County equivalents include parishes in Louisiana, and borough/census areas in Alaska. Separate counts are provided for independent cities in Maryland, Missouri, Nevada, and Virginia. Fractional patent counts may occur for some counties when a patent is associated with multiple counties within a state; all fractional patent counts are rounded to the nearest whole number. County codes correspond to FIPS identifying codes, except code '999' which is used when a patent can not be associated with any county within a state (UNKNOWN). State totals represent the sum of county totals and state totals that contain fractional counts are rounded to the nearest whole number. Alphabetic codes for each state correspond to U.S. Post Office abbreviations and numeric codes correspond to FIPS identifying codes.

**TABLE 1 U.S. UTILITY PATENT GRANTS BY METROPOLITAN AREA, 50 STATES, 1990 - 1996
RANK ORDERED LIST, BASED ON 1996 GRANTS**

Metropolitan areas are based on definitions effective July 1, 1996. MSA = metropolitan statistical area; NECMA = New England county metropolitan area; PMSA = primary metropolitan statistical area. The geographic distribution of patents is based on the residence of the first-named inventor.

| FIPS code | Metropolitan Area Name | Year of Utility Patent Grant | | | | | | |
|-----------|--|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 7400 | San Jose, CA PMSA | 1295 | 1468 | 1602 | 1850 | 2100 | 2415 | 3036 |
| 1123 | Boston-Worcester-Lawrence-Lowell- -Brockton, MA-NH NECMA | 2051 | 2092 | 2310 | 2342 | 2477 | 2318 | 2587 |
| 1600 | Chicago, IL PMSA | 2086 | 2232 | 2388 | 2336 | 2260 | 2303 | 2476 |
| 4480 | Los Angeles-Long Beach, CA PMSA | 1586 | 1804 | 1649 | 1646 | 1875 | 1710 | 1777 |
| 2160 | Detroit, MI PMSA | 1339 | 1463 | 1434 | 1562 | 1537 | 1482 | 1726 |
| 5120 | Minneapolis-St. Paul, MN-WI MSA | 1154 | 1167 | 1222 | 1358 | 1513 | 1445 | 1538 |
| 6160 | Philadelphia, PA-NJ PMSA | 1212 | 1250 | 1252 | 1370 | 1426 | 1352 | 1512 |
| 6840 | Rochester, NY MSA | 915 | 1168 | 1200 | 1392 | 1381 | 1227 | 1391 |
| 3360 | Houston, TX PMSA | 1009 | 1126 | 1165 | 1110 | 1234 | 1190 | 1122 |
| 5600 | New York, NY PMSA | 1084 | 1178 | 1072 | 1132 | 1192 | 1131 | 1269 |
| 1920 | Dallas, TX PMSA | 749 | 796 | 849 | 843 | 1033 | 1060 | 1202 |
| 5945 | Orange County, CA PMSA | 891 | 965 | 1032 | 1017 | 1112 | 1055 | 1084 |
| 8840 | Washington, DC-MD-VA-WV PMSA | 755 | 770 | 815 | 839 | 883 | 912 | 974 |
| 7320 | San Diego, CA MSA | 761 | 869 | 860 | 875 | 936 | 908 | 1114 |
| 5483 | New Haven-Bridgeport-Stamford-Danbury- -Waterbury, CT NECMA | 770 | 786 | 841 | 884 | 925 | 908 | 852 |
| 5775 | Oakland, CA PMSA | 629 | 634 | 717 | 732 | 802 | 821 | 916 |
| 7360 | San Francisco, CA PMSA | 557 | 651 | 658 | 670 | 682 | 801 | 921 |
| 6200 | Phoenix-Mesa, AZ MSA | 493 | 624 | 632 | 626 | 701 | 753 | 831 |
| 5640 | Newark, NJ PMSA | 837 | 857 | 795 | 762 | 793 | 747 | 792 |
| 5015 | Middlesex-Somerset-Hunterdon, NJ PMSA | 702 | 764 | 733 | 792 | 752 | 689 | 827 |
| 0640 | Austin-San Marcos, TX MSA | 354 | 402 | 455 | 536 | 598 | 683 | 831 |
| 7600 | Seattle-Bellevue-Everett, WA PMSA | 573 | 623 | 622 | 581 | 605 | 669 | 802 |
| 0520 | Atlanta, GA MSA | 461 | 468 | 471 | 522 | 597 | 641 | 761 |
| 6280 | Pittsburgh, PA MSA | 741 | 715 | 658 | 655 | 697 | 573 | 633 |
| 5380 | Nassau-Suffolk, NY PMSA | 575 | 558 | 518 | 460 | 560 | 572 | 657 |
| 1680 | Cleveland-Lorain-Elyria, OH PMSA | 605 | 625 | 648 | 614 | 660 | 566 | 540 |
| 1640 | Cincinnati, OH-KY-IN PMSA | 420 | 444 | 510 | 553 | 586 | 539 | 613 |
| 6440 | Portland-Vancouver, OR-WA PMSA | 384 | 380 | 341 | 424 | 394 | 532 | 574 |
| 7040 | St. Louis, MO-IL MSA | 436 | 536 | 555 | 510 | 510 | 526 | 536 |
| 0160 | Albany-Schenectady-Troy, NY MSA | 429 | 490 | 523 | 461 | 530 | 509 | 527 |
| 5080 | Milwaukee-Waukesha, WI PMSA | 411 | 382 | 385 | 413 | 462 | 451 | 446 |
| 3480 | Indianapolis, IN MSA | 318 | 327 | 325 | 334 | 375 | 432 | 542 |
| 2080 | Denver, CO PMSA | 346 | 321 | 375 | 378 | 412 | 430 | 438 |
| 9160 | Wilmington-Newark, DE-MD PMSA | 403 | 507 | 520 | 505 | 432 | 426 | 470 |
| 0720 | Baltimore, MD PMSA | 369 | 397 | 439 | 445 | 495 | 425 | 470 |
| 3283 | Hartford, CT NECMA | 389 | 418 | 410 | 459 | 468 | 419 | 374 |
| 5190 | Monmouth-Ocean, NJ PMSA | 298 | 333 | 351 | 358 | 374 | 401 | 444 |
| 6640 | Raleigh-Durham-Chapel Hill, NC MSA | 233 | 294 | 303 | 344 | 399 | 399 | 493 |
| 0875 | Bergen-Passaic, NJ PMSA | 333 | 355 | 355 | 348 | 362 | 359 | 406 |
| 2680 | Fort Lauderdale, FL PMSA | 247 | 236 | 274 | 274 | 325 | 358 | 347 |
| 8960 | West Palm Beach-Boca Raton, FL MSA | 209 | 207 | 263 | 281 | 322 | 357 | 355 |
| 7160 | Salt Lake City-Ogden, UT MSA | 236 | 263 | 269 | 307 | 295 | 343 | 401 |
| 8480 | Trenton, NJ PMSA | 378 | 381 | 345 | 341 | 335 | 300 | 345 |
| 0440 | Ann Arbor, MI PMSA | 236 | 273 | 226 | 283 | 331 | 298 | 369 |
| 1125 | Boulder-Longmont, CO PMSA | 160 | 148 | 187 | 216 | 257 | 290 | 288 |
| 8280 | Tampa-St. Petersburg-Clearwater, FL MSA | 243 | 278 | 270 | 216 | 261 | 274 | 260 |
| 1280 | Buffalo-Niagra Falls, NY MSA | 268 | 282 | 297 | 266 | 249 | 272 | 253 |
| 6780 | Riverside-San Bernardino, CA PMSA | 195 | 238 | 254 | 270 | 226 | 266 | 258 |
| 6960 | Saginaw-Bay City-Midland, MI MSA | 318 | 327 | 340 | 280 | 280 | 261 | 277 |
| 8735 | Ventura, CA PMSA | 234 | 228 | 236 | 225 | 280 | 260 | 250 |
| 3000 | Grand Rapids-Muskegon-Holland, MI MSA | 220 | 260 | 267 | 257 | 291 | 260 | 275 |
| 1840 | Columbus, OH MSA | 207 | 260 | 234 | 216 | 264 | 253 | 307 |
| 2000 | Dayton-Springfield, OH MSA | 318 | 313 | 273 | 250 | 204 | 247 | 276 |
| 0240 | Allentown-Bethlehem-Easton, PA MSA | 198 | 234 | 226 | 243 | 255 | 244 | 229 |
| 0080 | Akron, OH PMSA | 239 | 276 | 243 | 227 | 256 | 238 | 229 |
| 2281 | Dutchess County, NY PMSA | 110 | 123 | 165 | 212 | 234 | 237 | 290 |
| 1080 | Boise City, ID MSA | 82 | 123 | 170 | 247 | 245 | 220 | 271 |

| FIPS code | Metropolitan Area Name | Year of Utility Patent Grant | | | | | | |
|-----------|--|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 2800 | Fort Worth-Arlington, TX PMSA | 146 | 151 | 173 | 178 | 199 | 218 | 251 |
| 6920 | Sacramento, CA PMSA | 121 | 140 | 146 | 163 | 190 | 207 | 238 |
| 8520 | Tucson, AZ MSA | 129 | 160 | 148 | 182 | 185 | 200 | 183 |
| 5000 | Miami, FL PMSA | 165 | 190 | 215 | 189 | 181 | 196 | 187 |
| 1520 | Charlotte-Gastonia-Rock Hill, NC-SC MSA | 172 | 172 | 159 | 170 | 168 | 188 | 192 |
| 3160 | Greenville-Spartanburg-Anderson, SC MSA | 170 | 169 | 203 | 179 | 192 | 187 | 216 |
| 8560 | Tulsa, OK MSA | 250 | 226 | 240 | 230 | 199 | 181 | 175 |
| 3760 | Kansas City, MO-KS MSA | 156 | 169 | 181 | 153 | 163 | 181 | 195 |
| 3120 | Greensboro-Winston-Salem-High Point, NC MSA | 170 | 193 | 181 | 169 | 174 | 178 | 200 |
| 7480 | Santa Barbara-Santa Maria-Lompoc, CA MSA | 136 | 136 | 130 | 128 | 113 | 164 | 156 |
| 4720 | Madison, WI MSA | 91 | 139 | 143 | 144 | 141 | 164 | 202 |
| 0200 | Albuquerque, NM MSA | 100 | 129 | 132 | 123 | 135 | 162 | 139 |
| 6483 | Providence-Warwick-Pawtucket, RI NECMA | 129 | 173 | 171 | 183 | 173 | 162 | 177 |
| 5960 | Orlando, FL MSA | 196 | 181 | 187 | 167 | 152 | 161 | 169 |
| 0760 | Baton Rouge, LA MSA | 193 | 204 | 181 | 170 | 150 | 150 | 124 |
| 8160 | Syracuse, NY MSA | 151 | 192 | 167 | 151 | 153 | 150 | 132 |
| 7240 | San Antonio, TX MSA | 115 | 101 | 121 | 121 | 145 | 142 | 158 |
| 8400 | Toledo, OH MSA | 158 | 138 | 148 | 126 | 130 | 138 | 127 |
| 5360 | Nashville, TN MSA | 78 | 96 | 92 | 89 | 106 | 133 | 99 |
| 6760 | Richmond-Petersburg, VA MSA | 133 | 174 | 189 | 184 | 150 | 132 | 143 |
| 6120 | Peoria-Pekin, IL MSA | 65 | 81 | 73 | 105 | 104 | 131 | 172 |
| 1720 | Colorado Springs, CO MSA | 72 | 84 | 108 | 103 | 112 | 130 | 165 |
| 3840 | Knoxville, TN MSA | 111 | 106 | 86 | 102 | 108 | 127 | 138 |
| 3240 | Harrisburg-Lebanon-Carlisle, PA MSA | 145 | 170 | 171 | 145 | 119 | 125 | 136 |
| 0960 | Binghamton, NY MSA | 106 | 96 | 93 | 109 | 137 | 123 | 135 |
| 0460 | Appleton-Oshkosh-Neenah, WI MSA | 142 | 117 | 124 | 97 | 98 | 120 | 162 |
| 2670 | Fort Collins-Loveland, CO MSA | 61 | 100 | 94 | 120 | 148 | 119 | 148 |
| 5523 | New London-Norwich, CT NECMA | 90 | 104 | 95 | 106 | 100 | 118 | 109 |
| 5880 | Oklahoma City, OK MSA | 102 | 104 | 120 | 122 | 103 | 113 | 120 |
| 5720 | Norfolk-Virginia Beach-Newport News, VA-NC MSA | 112 | 122 | 142 | 153 | 126 | 111 | 126 |
| 3660 | Johnson City-Kingsport-Bristol, TN-VA MSA | 118 | 98 | 109 | 134 | 126 | 110 | 102 |
| 3720 | Kalamazoo-Battle Creek, MI MSA | 105 | 95 | 122 | 131 | 116 | 109 | 126 |
| 7485 | Santa Cruz-Watsonville, CA PMSA | 75 | 78 | 64 | 94 | 94 | 106 | 158 |
| 4920 | Memphis, TN-AR-MS MSA | 89 | 79 | 103 | 85 | 104 | 102 | 142 |
| 4520 | Louisville, KY-IN MSA | 142 | 135 | 99 | 126 | 106 | 102 | 113 |
| 3200 | Hamilton-Middletown, OH PMSA | 69 | 94 | 105 | 132 | 138 | 101 | 157 |
| 1320 | Canton-Massillon, OH MSA | 73 | 92 | 84 | 114 | 86 | 98 | 113 |
| 1305 | Burlington, VT NECMA | 71 | 60 | 67 | 72 | 71 | 97 | 179 |
| 1145 | Brazoria, TX PMSA | 146 | 130 | 123 | 123 | 121 | 96 | 83 |
| 8003 | Springfield, MA NECMA | 76 | 89 | 101 | 72 | 101 | 95 | 92 |
| 5560 | New Orleans, LA MSA | 119 | 115 | 146 | 127 | 102 | 95 | 135 |
| 4000 | Lancaster, PA MSA | 114 | 116 | 114 | 86 | 93 | 93 | 115 |
| 4900 | Melbourne-Titusville-Palm Bay, FL MSA | 100 | 103 | 95 | 106 | 92 | 92 | 132 |
| 6880 | Rockford, IL MSA | 169 | 197 | 135 | 94 | 102 | 91 | 110 |
| 7500 | Santa Rosa, CA PMSA | 67 | 65 | 76 | 68 | 71 | 90 | 94 |
| 2760 | Fort Wayne, IN MSA | 110 | 123 | 103 | 109 | 100 | 88 | 104 |
| 4120 | Las Vegas, NV-AZ MSA | 49 | 75 | 75 | 70 | 87 | 82 | 107 |
| 3600 | Jacksonville, FL MSA | 60 | 59 | 83 | 79 | 70 | 78 | 99 |
| 6820 | Rochester, MN MSA | 51 | 37 | 38 | 64 | 85 | 77 | 102 |
| 3440 | Huntsville, AL MSA | 110 | 93 | 75 | 81 | 77 | 75 | 84 |
| 2900 | Gainesville, FL MSA | 60 | 68 | 64 | 63 | 63 | 72 | 74 |
| 2120 | Des Moines, IA MSA | 48 | 53 | 47 | 46 | 56 | 70 | 67 |
| 5920 | Omaha, NE-IA MSA | 55 | 74 | 61 | 67 | 57 | 68 | 69 |
| 4280 | Lexington, KY MSA | 59 | 72 | 72 | 68 | 80 | 68 | 99 |
| 7510 | Sarasota-Bradenton, FL MSA | 75 | 54 | 77 | 77 | 74 | 67 | 84 |
| 5660 | Newburgh, NY-PA PMSA | 49 | 37 | 46 | 58 | 47 | 66 | 75 |
| 2440 | Evansville-Henderson, IN-KY MSA | 77 | 68 | 42 | 49 | 51 | 66 | 58 |
| 4040 | Lansing-East Lansing, MI MSA | 44 | 48 | 75 | 57 | 51 | 62 | 84 |
| 6680 | Reading, PA MSA | 40 | 61 | 55 | 59 | 62 | 61 | 59 |
| 3920 | Lafayette, IN MSA | 50 | 46 | 34 | 42 | 59 | 60 | 59 |
| 6720 | Reno, NV MSA | 41 | 73 | 50 | 46 | 61 | 59 | 68 |
| 0680 | Bakersfield, CA MSA | 50 | 92 | 73 | 57 | 73 | 58 | 54 |
| 2640 | Flint, MI PMSA | 48 | 55 | 85 | 55 | 66 | 58 | 60 |
| 2400 | Eugene-Springfield, OR MSA | 45 | 38 | 28 | 47 | 60 | 57 | 61 |
| 1360 | Cedar Rapids, IA MSA | 67 | 60 | 59 | 72 | 74 | 56 | 73 |
| 7490 | Santa Fe, NM MSA | 60 | 48 | 58 | 59 | 52 | 55 | 55 |
| 3060 | Greeley, CO PMSA | 37 | 37 | 30 | 45 | 56 | 55 | 60 |
| 7800 | South Bend, IN MSA | 51 | 72 | 81 | 69 | 63 | 54 | 62 |
| 9040 | Wichita, KS MSA | 77 | 56 | 67 | 47 | 55 | 53 | 59 |
| 8200 | Tacoma-WA PMSA | 61 | 60 | 59 | 50 | 55 | 53 | 38 |
| 6520 | Provo-Orem, UT MSA | 47 | 46 | 58 | 51 | 47 | 53 | 52 |
| 3850 | Kokomo, IN MSA | 28 | 34 | 39 | 24 | 34 | 52 | 68 |
| 1760 | Columbia, SC MSA | 61 | 60 | 43 | 64 | 54 | 51 | 60 |

| FIPS code | Metropolitan Area Name | Year of Utility Patent Grant | | | | | | |
|-----------|--|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 1000 | Birmingham, AL MSA | 47 | 63 | 40 | 52 | 50 | 51 | 55 |
| 2360 | Erie, PA MSA | 54 | 49 | 56 | 46 | 55 | 50 | 60 |
| 1440 | Charleston-North Charleston, SC MSA | 39 | 62 | 61 | 48 | 32 | 50 | 57 |
| 6600 | Racine, WI PMSA | 61 | 53 | 63 | 38 | 55 | 49 | 50 |
| 4640 | Lynchburg, VA MSA | 43 | 45 | 73 | 50 | 40 | 48 | 38 |
| 2700 | Fort Myers-Cape Coral, FL MSA | 38 | 40 | 38 | 36 | 35 | 48 | 46 |
| 0840 | Beaumont-Port Arthur, TX MSA | 38 | 37 | 43 | 46 | 43 | 47 | 52 |
| 0600 | Augusta-Aiken, GA-SC MSA | 23 | 29 | 55 | 47 | 54 | 46 | 33 |
| 0480 | Asheville, NC MSA | 19 | 30 | 36 | 29 | 36 | 46 | 47 |
| 3320 | Honolulu, HI MSA | 56 | 43 | 53 | 57 | 44 | 46 | 46 |
| 9280 | York, PA MSA | 51 | 58 | 60 | 46 | 39 | 45 | 57 |
| 8720 | Vallejo-Fairfield-Napa, CA PMSA | 30 | 32 | 44 | 49 | 40 | 44 | 51 |
| 2920 | Galveston-Texas City TX PMSA | 32 | 41 | 45 | 51 | 53 | 44 | 42 |
| 3800 | Kenosha, WI PMSA | 27 | 21 | 14 | 43 | 20 | 43 | 30 |
| 1960 | Davenport-Moline-Rock Island, IA-IL MSA | 43 | 41 | 45 | 40 | 39 | 43 | 45 |
| 1560 | Chattanooga, TN-GA MSA | 39 | 52 | 47 | 48 | 43 | 43 | 44 |
| 9320 | Youngstown-Warren, OH MSA | 62 | 72 | 65 | 62 | 46 | 42 | 50 |
| 7840 | Spokane, WA MSA | 42 | 39 | 42 | 52 | 47 | 42 | 38 |
| 7620 | Sheboygan, WI MSA | 36 | 50 | 38 | 47 | 37 | 41 | 34 |
| 0743 | Barnstable-Yarmouth, MA NECMA | 29 | 42 | 41 | 45 | 32 | 40 | 46 |
| 6740 | Richland-Kennewick-Pasco, WA MSA | 40 | 31 | 44 | 43 | 35 | 40 | 39 |
| 2840 | Fresno, CA MSA | 25 | 31 | 40 | 41 | 46 | 40 | 39 |
| 1480 | Charleston, WV MSA | 60 | 53 | 73 | 78 | 43 | 40 | 28 |
| 0870 | Benton Harbor, MI MSA | 43 | 59 | 46 | 61 | 57 | 39 | 37 |
| 8120 | Stockton-Lodi, CA MSA | 37 | 33 | 40 | 23 | 33 | 39 | 40 |
| 1400 | Champaign-Urbana, IL MSA | 28 | 26 | 24 | 47 | 43 | 39 | 49 |
| 9200 | Wilmington, NC MSA | 24 | 28 | 25 | 36 | 36 | 38 | 38 |
| 6800 | Roanoke, VA MSA | 30 | 42 | 44 | 52 | 59 | 38 | 32 |
| 4360 | Lincoln, NE MSA | 37 | 41 | 34 | 47 | 48 | 38 | 44 |
| 3880 | Lafayette, LA MSA | 40 | 42 | 33 | 34 | 32 | 38 | 45 |
| 3290 | Hickory-Morganton-Lenoir, NC MSA | 29 | 36 | 41 | 33 | 45 | 38 | 29 |
| 2960 | Gary, IN PMSA | 53 | 42 | 39 | 50 | 47 | 38 | 54 |
| 5345 | Naples, FL MSA | 22 | 22 | 29 | 24 | 26 | 37 | 30 |
| 2710 | Fort Pierce-Port St. Lucie, FL MSA | 29 | 37 | 53 | 49 | 45 | 37 | 45 |
| 1260 | Bryan-College Station, TX MSA | 15 | 25 | 28 | 39 | 38 | 37 | 38 |
| 8050 | State College, PA MSA | 15 | 33 | 26 | 25 | 33 | 36 | 37 |
| 7460 | San Luis Obispo-Atascadero-Paso Robles, CA MSA | 22 | 28 | 30 | 31 | 34 | 36 | 34 |
| 5170 | Modesto, CA MSA | 28 | 31 | 31 | 27 | 37 | 36 | 30 |
| 2330 | Elkhart-Goshen, IN MSA | 37 | 46 | 42 | 58 | 37 | 36 | 48 |
| 9270 | Yolo, CA PMSA | 26 | 24 | 33 | 30 | 39 | 35 | 57 |
| 8680 | Utica-Rome, NY MSA | 32 | 32 | 37 | 43 | 28 | 35 | 43 |
| 7920 | Springfield, MO MSA | 46 | 40 | 32 | 25 | 35 | 35 | 32 |
| 6020 | Parkersburg-Marietta, WV-OH MSA | 30 | 43 | 32 | 24 | 30 | 34 | 24 |
| 2020 | Daytona Beach, FL MSA | 30 | 28 | 42 | 40 | 43 | 34 | 24 |
| 7560 | Scranton--Wilkes-Barre--Hazleton, PA MSA | 41 | 44 | 51 | 43 | 41 | 33 | 45 |
| 7120 | Salinas, CA MSA | 32 | 27 | 27 | 33 | 40 | 33 | 46 |
| 3500 | Iowa City, IA MSA | 21 | 15 | 29 | 25 | 16 | 33 | 28 |
| 2290 | Eau Claire, WI MSA | 15 | 20 | 40 | 40 | 35 | 33 | 31 |
| 0860 | Bellingham, WA MSA | 29 | 33 | 21 | 26 | 23 | 32 | 33 |
| 6403 | Portland, ME NECMA | 35 | 28 | 35 | 48 | 42 | 31 | 33 |
| 3080 | Green Bay, WI MSA | 21 | 30 | 44 | 21 | 27 | 31 | 40 |
| 2580 | Fayetteville-Springdale-Rogers, AR MSA | 11 | 22 | 36 | 20 | 22 | 31 | 20 |
| 9140 | Williamsport, PA MSA | 28 | 18 | 21 | 13 | 19 | 30 | 20 |
| 8240 | Tallahassee, FL MSA | 15 | 10 | 16 | 22 | 27 | 30 | 28 |
| 4890 | Medford-Ashland, OR MSA | 11 | 21 | 24 | 21 | 27 | 30 | 17 |
| 3640 | Jersey City, NJ PMSA | 45 | 47 | 41 | 34 | 41 | 30 | 45 |
| 5160 | Mobile, AL MSA | 34 | 43 | 28 | 38 | 31 | 29 | 29 |
| 0560 | Atlantic-Cape May, NJ PMSA | 17 | 26 | 19 | 29 | 29 | 28 | 31 |
| 4420 | Longview-Marshall, TX MSA | 26 | 27 | 24 | 23 | 24 | 28 | 26 |
| 6080 | Pensacola, FL MSA | 30 | 30 | 18 | 32 | 22 | 27 | 29 |
| 3520 | Jackson, MI MSA | 31 | 36 | 46 | 36 | 37 | 27 | 28 |
| 1880 | Corpus Christi, TX MSA | 21 | 23 | 28 | 26 | 33 | 27 | 24 |
| 0500 | Athens, GA MSA | 15 | 16 | 22 | 23 | 24 | 26 | 20 |
| 3980 | Lakeland-Winter Haven, FL MSA | 24 | 34 | 27 | 28 | 35 | 26 | 28 |
| 2335 | Elmira, NY MSA | 49 | 30 | 41 | 47 | 55 | 26 | 36 |
| 7680 | Shreveport-Bossier City, LA MSA | 34 | 30 | 24 | 28 | 26 | 25 | 22 |
| 2520 | Fargo-Moorhead, ND-MN MSA | 12 | 21 | 22 | 16 | 13 | 25 | 24 |
| 0380 | Anchorage, AK MSA | 14 | 24 | 19 | 27 | 30 | 24 | 20 |
| 4600 | Lubbock, TX MSA | 21 | 24 | 14 | 15 | 21 | 24 | 25 |
| 2040 | Decatur, IL MSA | 15 | 10 | 8 | 10 | 18 | 24 | 14 |
| 3620 | Janesville-Beloit, WI MSA | 31 | 31 | 26 | 27 | 28 | 23 | 32 |
| 1540 | Charlottesville, VA MSA | 38 | 40 | 24 | 28 | 26 | 23 | 33 |
| 7080 | Salem, OR PMSA | 22 | 27 | 24 | 21 | 20 | 22 | 24 |

| FIPS code | Metropolitan Area Name | Year of Utility Patent Grant | | | | | | |
|-----------|--|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 4400 | Little Rock-North Little Rock, AR MSA | 40 | 28 | 31 | 30 | 36 | 22 | 34 |
| 1740 | Columbia, MO MSA | 18 | 20 | 20 | 16 | 13 | 22 | 17 |
| 4680 | Macon, GA MSA | 17 | 17 | 27 | 19 | 22 | 21 | 22 |
| 2975 | Glens Falls, NY MSA | 28 | 25 | 27 | 34 | 23 | 20 | 26 |
| 2320 | El Paso, TX MSA | 23 | 23 | 21 | 14 | 12 | 20 | 18 |
| 1040 | Bloomington-Normal, IL MSA | 7 | 14 | 10 | 9 | 12 | 20 | 10 |
| 8780 | Visalia-Tulare-Porterville, CA MSA | 13 | 12 | 16 | 16 | 13 | 19 | 13 |
| 8640 | Tyler, TX MSA | 8 | 11 | 18 | 12 | 14 | 19 | 11 |
| 5800 | Odessa-Midland, TX MSA | 15 | 16 | 12 | 18 | 28 | 19 | 21 |
| 5790 | Ocala, FL MSA | 15 | 18 | 24 | 14 | 24 | 19 | 18 |
| 2620 | Flagstaff, AZ-UT MSA | 8 | 12 | 18 | 15 | 14 | 19 | 6 |
| 8920 | Waterloo-Cedar Falls, IA MSA | 20 | 17 | 18 | 17 | 13 | 18 | 12 |
| 5240 | Montgomery, AL MSA | 15 | 10 | 19 | 15 | 13 | 17 | 17 |
| 2655 | Florence, SC MSA | 9 | 11 | 10 | 12 | 21 | 17 | 19 |
| 0920 | Biloxi-Gulfport-Pascagoula, MS MSA | 19 | 17 | 16 | 20 | 19 | 16 | 16 |
| 5280 | Muncie, IN MSA | 7 | 8 | 4 | 11 | 12 | 16 | 14 |
| 3400 | Huntington-Ashland, WV-KY-OH MSA | 31 | 25 | 24 | 23 | 26 | 16 | 15 |
| 2240 | Duluth-Superior, MN-WI MSA | 10 | 15 | 15 | 16 | 23 | 16 | 19 |
| 8080 | Steubenville-Weirton, OH-WV MSA | 8 | 13 | 8 | 14 | 18 | 15 | 11 |
| 3560 | Jackson, MS MSA | 18 | 19 | 14 | 12 | 25 | 15 | 16 |
| 9340 | Yuba City, CA MSA | 2 | 6 | 9 | 5 | 6 | 14 | 4 |
| 9260 | Yakima, WA MSA | 19 | 14 | 12 | 15 | 14 | 14 | 16 |
| 8940 | Wausau, WI MSA | 21 | 23 | 20 | 25 | 22 | 14 | 19 |
| 7880 | Springfield, IL MSA | 20 | 14 | 17 | 22 | 23 | 14 | 11 |
| 7520 | Savannah, GA MSA | 15 | 10 | 15 | 10 | 11 | 14 | 11 |
| 3870 | La Crosse, WI-MN MSA | 11 | 23 | 13 | 23 | 14 | 14 | 26 |
| 1620 | Chico-Paradise, CA MSA | 47 | 22 | 16 | 12 | 14 | 14 | 8 |
| 1150 | Bremerton, WA PMSA | 9 | 10 | 15 | 27 | 24 | 14 | 35 |
| 1020 | Bloomington, IN MSA | 10 | 17 | 16 | 22 | 17 | 14 | 17 |
| 0320 | Amarillo, TX MSA | 11 | 12 | 13 | 19 | 19 | 13 | 14 |
| 6690 | Redding, CA MSA | 7 | 7 | 10 | 9 | 14 | 13 | 14 |
| 6015 | Panama City, FL MSA | 31 | 19 | 11 | 10 | 15 | 13 | 17 |
| 4800 | Mansfield, OH MSA | 15 | 16 | 10 | 17 | 30 | 13 | 19 |
| 3680 | Johnstown, PA MSA | 5 | 10 | 7 | 9 | 16 | 13 | 12 |
| 2650 | Florence, AL MSA | 26 | 26 | 21 | 18 | 13 | 13 | 15 |
| 9080 | Wichita Falls, TX MSA | 10 | 10 | 10 | 16 | 14 | 12 | 10 |
| 8800 | Waco, TX MSA | 4 | 7 | 6 | 10 | 16 | 12 | 16 |
| 6323 | Pittsfield, MA NECMA | 35 | 49 | 34 | 34 | 23 | 12 | 28 |
| 3960 | Lake Charles, LA MSA | 12 | 13 | 13 | 11 | 15 | 12 | 10 |
| 3350 | Houma, LA MSA | 17 | 16 | 16 | 13 | 15 | 12 | 7 |
| 2030 | Decatur, AL MSA | 8 | 8 | 4 | 4 | 9 | 12 | 4 |
| 1240 | Brownsville-Harlingen-San Benito, TX MSA | 4 | 3 | 5 | 1 | 0 | 12 | 6 |
| 0880 | Billings, MT MSA | 8 | 8 | 10 | 9 | 5 | 11 | 5 |
| 8440 | Topeka, KS MSA | 6 | 6 | 8 | 8 | 10 | 11 | 9 |
| 5910 | Olympia, WA PMSA | 5 | 8 | 5 | 3 | 8 | 11 | 9 |
| 3740 | Kankakee, IL PMSA | 5 | 7 | 9 | 10 | 8 | 11 | 5 |
| 3710 | Joplin, MO MSA | 18 | 15 | 14 | 12 | 13 | 11 | 22 |
| 3610 | Jamestown, NY MSA | 9 | 12 | 4 | 9 | 9 | 11 | 10 |
| 2995 | Grand Junction, CO MSA | 11 | 7 | 6 | 5 | 8 | 11 | 12 |
| 1800 | Columbus, GA-AL MSA | 7 | 12 | 15 | 8 | 6 | 11 | 7 |
| 8320 | Terre Haute, IN MSA | 16 | 25 | 12 | 14 | 13 | 10 | 9 |
| 6895 | Rocky Mount, NC MSA | 3 | 6 | 6 | 3 | 3 | 10 | 7 |
| 4150 | Lawrence, KS MSA | 19 | 13 | 18 | 23 | 16 | 10 | 17 |
| 3150 | Greenville, NC MSA | 7 | 6 | 8 | 7 | 19 | 10 | 18 |
| 2190 | Dover, DE MSA | 12 | 13 | 11 | 8 | 13 | 10 | 6 |
| 2180 | Dothan, AL MSA | 2 | 2 | 9 | 1 | 6 | 10 | 7 |
| 1660 | Clarksville-Hopkinsville, TN-KY MSA | 6 | 9 | 12 | 5 | 3 | 10 | 5 |
| 9000 | Wheeling, WV-OH MSA | 5 | 8 | 6 | 9 | 14 | 9 | 7 |
| 7610 | Sharon, PA MSA | 11 | 9 | 6 | 9 | 13 | 9 | 8 |
| 6980 | St. Cloud, MN MSA | 7 | 11 | 8 | 10 | 12 | 9 | 12 |
| 5330 | Myrtle Beach, SC MSA | 11 | 5 | 6 | 8 | 9 | 9 | 14 |
| 4320 | Lima, OH MSA | 32 | 29 | 15 | 23 | 11 | 9 | 5 |
| 2985 | Grand Forks, ND-MN MSA | 7 | 11 | 7 | 11 | 7 | 9 | 13 |
| 2880 | Gadsden, AL MSA | 1 | 3 | 2 | 5 | 3 | 9 | 4 |
| 2200 | Dubuque, IA MSA | 13 | 24 | 11 | 11 | 5 | 9 | 7 |
| 7640 | Sherman-Denison, TX MSA | 18 | 17 | 19 | 14 | 16 | 8 | 34 |
| 7000 | St. Joseph, MO MSA | 4 | 4 | 2 | 8 | 8 | 8 | 9 |
| 2720 | Fort Smith, AR-OK MSA | 12 | 11 | 15 | 10 | 16 | 8 | 8 |
| 1010 | Bismarck, ND MSA | 8 | 9 | 3 | 10 | 2 | 8 | 6 |
| 7760 | Sioux Falls, SD MSA | 10 | 12 | 9 | 11 | 13 | 7 | 10 |
| 3580 | Jackson, TN MSA | 4 | 8 | 5 | 10 | 10 | 7 | 9 |
| 6660 | Rapid City, SD MSA | 6 | 1 | 8 | 3 | 10 | 6 | 6 |
| 6560 | Pueblo, CO MSA | 3 | 11 | 5 | 8 | 7 | 6 | 6 |

| FIPS code | Metropolitan Area Name | Year of Utility Patent Grant | | | | | | |
|-----------|---------------------------------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 5200 | Monroe, LA MSA | 16 | 14 | 15 | 11 | 14 | 6 | 15 |
| 3285 | Hattiesburg, MS MSA | 6 | 15 | 10 | 6 | 4 | 6 | 8 |
| 0280 | Altoona, PA MSA | 8 | 9 | 9 | 8 | 8 | 5 | 8 |
| 0040 | Abilene, TX MSA | 2 | 4 | 3 | 2 | 5 | 5 | 5 |
| 8760 | Vineland-Millville-Bridgeton, NJ PMSA | 4 | 9 | 6 | 7 | 8 | 5 | 5 |
| 8600 | Tuscaloosa, AL MSA | 8 | 12 | 1 | 7 | 4 | 5 | 8 |
| 8140 | Sumter, SC MSA | 4 | 2 | 5 | 4 | 6 | 5 | 3 |
| 7720 | Sioux City, IA-NE MSA | 7 | 6 | 5 | 6 | 8 | 5 | 13 |
| 6580 | Punta Gorda, FL MSA | 12 | 14 | 18 | 14 | 13 | 5 | 25 |
| 4940 | Merced, CA MSA | 2 | 6 | 9 | 6 | 4 | 5 | 4 |
| 4200 | Lawton, OK MSA | 2 | 2 | 3 | 0 | 10 | 5 | 3 |
| 3810 | Killeen-Temple, TX MSA | 3 | 7 | 7 | 9 | 11 | 5 | 9 |
| 3605 | Jacksonville, NC MSA | 0 | 2 | 1 | 2 | 3 | 5 | 4 |
| 3180 | Hagerstown, MD PMSA | 8 | 7 | 12 | 12 | 6 | 5 | 4 |
| 2980 | Goldsboro, NC MSA | 3 | 1 | 4 | 3 | 1 | 5 | 4 |
| 2750 | Fort Walton Beach, FL MSA | 10 | 12 | 8 | 5 | 8 | 5 | 12 |
| 1350 | Casper, WY MSA | 5 | 3 | 4 | 5 | 9 | 5 | 2 |
| 0450 | Anniston, AL MSA | 2 | 5 | 2 | 3 | 2 | 4 | 8 |
| 0220 | Alexandria, LA MSA | 9 | 7 | 7 | 3 | 7 | 4 | 11 |
| 9360 | Yuma, AZ MSA | 3 | 3 | 7 | 2 | 1 | 4 | 11 |
| 8360 | Texarkana, TX-Texarkana, AR MSA | 2 | 4 | 3 | 3 | 7 | 4 | 7 |
| 5990 | Owensboro, KY MSA | 4 | 4 | 4 | 1 | 8 | 4 | 4 |
| 4243 | Lewiston-Auburn, ME NECMA | 9 | 5 | 8 | 7 | 3 | 4 | 5 |
| 1900 | Cumberland, MD-WV MSA | 2 | 5 | 5 | 1 | 8 | 4 | 2 |
| 0120 | Albany, GA MSA | 8 | 3 | 3 | 7 | 6 | 3 | 5 |
| 7200 | San Angelo, TX MSA | 5 | 4 | 4 | 4 | 2 | 3 | 0 |
| 4880 | McAllen-Edinburg-Mission, TX MSA | 0 | 2 | 2 | 7 | 5 | 3 | 3 |
| 4100 | Las Cruces, NM MSA | 9 | 16 | 12 | 19 | 15 | 3 | 9 |
| 0733 | Bangor, ME NECMA | 5 | 3 | 2 | 1 | 6 | 2 | 4 |
| 8750 | Victoria, TX MSA | 2 | 7 | 3 | 4 | 2 | 2 | 3 |
| 6340 | Pocatello, ID MSA | 2 | 3 | 3 | 3 | 4 | 2 | 2 |
| 3700 | Jonesboro, AR MSA | 3 | 3 | 7 | 3 | 3 | 2 | 6 |
| 3040 | Great Falls, MT MSA | 4 | 4 | 4 | 3 | 3 | 2 | 2 |
| 2560 | Fayetteville, NC MSA | 6 | 13 | 7 | 7 | 4 | 2 | 7 |
| 1580 | Cheyenne, WY MSA | 1 | 8 | 4 | 5 | 1 | 2 | 6 |
| 6240 | Pine Bluff, AR MSA | 2 | 5 | 3 | 1 | 1 | 1 | 1 |
| 4080 | Laredo, TX MSA | 1 | 2 | 1 | 1 | 4 | 1 | 1 |
| 1950 | Danville, VA MSA | 1 | 2 | 6 | 0 | 3 | 1 | 5 |
| 2340 | Enid, OK MSA | 5 | 2 | 3 | 4 | 0 | 0 | 0 |

Total (U.S. origin) utility patents

within MSA, NECMA, or PMSA (1)

43623 47013 47957 49091 51545 51317 56365

outside MSA, NECMA, or PMSA (2)

3875 4297 4417 4250 4615 4519 4835

Percent of patents in MSA, NECMA, or PMSA

91.8% 91.6% 91.6% 92.0% 91.8% 91.9% 92.1%

TOTAL (U.S. origin) utility patents (3)

47498 51310 52374 53341 56160 55836 61200

(1) Includes metropolitan areas within the 50 states and District of Columbia; does not include metropolitan areas in Puerto Rico.

(2) Includes metropolitan areas in Puerto Rico.

(3) Totals may differ slightly from other published data due to cumulative rounding error (approximately two-tenths of one percent).

**TABLE 2 U.S. UTILITY PATENT GRANTS BY METROPOLITAN AREA
AND GEOGRAPHIC COMPONENTS, 1990 - 1996**

Metropolitan areas and geographic components are based on definitions effective July 1, 1996.

CMSA = consolidated metropolitan statistical area; MSA = metropolitan statistical area; NECMA = New England county metropolitan area; PMSA = primary metropolitan statistical area. Geographic codes are Federal Information Processing Standards codes. The geographic distribution of patents is based on the residence of the first-named inventor. Patent counts for parts of New England counties are not available "(n.a.)"; see note at the end of the New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA listing.

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | | |
|------------------|------|---|------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | |
| 0040 | | Abilene, TX MSA Taylor County | 2 2 | 4 4 | 3 3 | 2 2 | 5 5 | 5 5 | 5 5 | |
| 0080 | | Akron, OH PMSA (See Cleveland-Akron, OH CMSA) | | 239 | 276 | 243 | 227 | 256 | 238 | 229 |
| 0120 | | Albany, GA MSA Dougherty County Lee County | | 8 7 1 | 3 3 0 | 3 2 1 | 7 6 1 | 6 4 2 | 3 3 0 | 5 3 2 |
| 0160 | | Albany-Schenectady-Troy, NY MSA Albany County Montgomery County Rensselaer County Saratoga County Schenectady County Schoharie County | | 429 65 8 39 97 218 | 490 72 4 42 122 246 | 523 67 7 42 143 262 | 461 66 9 33 140 212 | 530 52 12 54 150 260 | 509 44 8 34 143 279 | 527 58 17 39 156 255 |
| 0200 | | Albuquerque, NM MSA Bernalillo County Sandoval County Valencia County | | 100 93 6 1 | 129 115 13 1 | 132 120 7 5 | 123 111 11 1 | 135 124 9 2 | 162 145 14 3 | 139 120 16 3 |
| 0220 | | Alexandria, LA MSA Rapides Parish | | 9 9 | 7 7 | 7 7 | 3 3 | 7 7 | 4 4 | 11 11 |
| 0240 | | Allentown-Bethlehem-Easton, PA MSA Carbon County Lehigh County Northampton County | | 198 4 154 40 | 234 4 183 47 | 226 1 167 58 | 243 3 181 59 | 255 9 186 60 | 244 4 187 53 | 229 5 169 55 |
| 0280 | | Altoona, PA MSA Blair County | | 8 8 | 9 9 | 9 9 | 8 8 | 8 8 | 5 5 | 8 8 |
| 0320 | | Amarillo, TX MSA Potter County Randall County | | 11 5 6 | 12 5 7 | 13 5 8 | 19 6 13 | 19 7 12 | 13 4 9 | 14 5 9 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 0380 | | Anchorage, AK MSA Anchorage Borough | 14 | 24 | 19 | 27 | 30 | 24 | 20 |
| | | | 14 | 24 | 19 | 27 | 30 | 24 | 20 |
| 0440 | | Ann Arbor, MI PMSA (See Detroit-Ann Arbor-Flint, MI CMSA) | 236 | 273 | 226 | 283 | 331 | 298 | 369 |
| 0450 | | Anniston, AL MSA Calhoun County | 2 | 5 | 2 | 3 | 2 | 4 | 8 |
| | | | 2 | 5 | 2 | 3 | 2 | 4 | 8 |
| 0460 | | Appleton-Oshkosh-Neenah, WI MSA Calumet County Outagamie County Winnebago County | 142 | 117 | 124 | 97 | 98 | 120 | 162 |
| | | | 21 | 23 | 28 | 24 | 24 | 30 | 31 |
| | | | 24 | 23 | 27 | 19 | 15 | 28 | 44 |
| | | | 97 | 71 | 69 | 54 | 59 | 62 | 87 |
| 0480 | | Asheville, NC MSA Buncombe County Madison County | 19 | 30 | 36 | 29 | 36 | 46 | 47 |
| | | | 19 | 29 | 36 | 29 | 36 | 46 | 45 |
| | | | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 0500 | | Athens, GA MSA Clarke County Madison County Oconee County | 15 | 16 | 22 | 23 | 24 | 26 | 20 |
| | | | 12 | 14 | 19 | 22 | 20 | 20 | 18 |
| | | | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| | | | 3 | 2 | 3 | 1 | 4 | 4 | 0 |
| 0520 | | Atlanta, GA MSA Barrow County Bartow County Carroll County Cherokee County Clayton County Cobb County Coweta County DeKalb County Douglas County Fayette County Forsyth County Fulton County Gwinnett County Henry County Newton County Paulding County Pickens County Rockdale County Spalding County Walton County | 461 | 468 | 471 | 522 | 597 | 641 | 761 |
| | | | 1 | 3 | 2 | 0 | 1 | 1 | 0 |
| | | | 9 | 4 | 7 | 1 | 3 | 5 | 5 |
| | | | 9 | 6 | 9 | 8 | 10 | 7 | 6 |
| | | | 10 | 11 | 7 | 13 | 14 | 14 | 29 |
| | | | 6 | 8 | 11 | 8 | 3 | 9 | 12 |
| | | | 87 | 79 | 99 | 86 | 134 | 138 | 152 |
| | | | 4 | 5 | 6 | 4 | 9 | 10 | 12 |
| | | | 133 | 115 | 129 | 129 | 136 | 134 | 166 |
| | | | 3 | 4 | 4 | 7 | 8 | 11 | 5 |
| | | | 5 | 3 | 3 | 5 | 9 | 3 | 8 |
| | | | 4 | 4 | 7 | 8 | 9 | 14 | 20 |
| | | | 80 | 84 | 77 | 105 | 115 | 134 | 147 |
| | | | 93 | 116 | 95 | 128 | 121 | 137 | 158 |
| | | | 2 | 3 | 3 | 4 | 3 | 3 | 5 |
| | | | 3 | 4 | 2 | 2 | 2 | 2 | 1 |
| | | | 1 | 0 | 2 | 3 | 1 | 1 | 0 |
| | | | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| | | | 10 | 13 | 8 | 8 | 14 | 17 | 28 |
| | | | 0 | 1 | 0 | 2 | 3 | 1 | 2 |
| | | | 1 | 4 | 0 | 1 | 2 | 0 | 4 |
| 0560 | | Atlantic-Cape May, NJ PMSA (See Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA) | 17 | 26 | 19 | 29 | 29 | 28 | 31 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 0600 | | Augusta-Aiken, GA-SC MSA | 23 | 29 | 55 | 47 | 54 | 46 | 33 |
| | | Columbia County, GA | 3 | 6 | 7 | 5 | 5 | 7 | 7 |
| | | McDuffle County, GA | 1 | 2 | 1 | 1 | 1 | 0 | 1 |
| | | Richmond County, GA | 10 | 9 | 21 | 10 | 17 | 10 | 10 |
| | | Aiken County, SC | 7 | 10 | 24 | 27 | 30 | 26 | 14 |
| | | Edgefield County, SC | 2 | 2 | 2 | 4 | 1 | 3 | 1 |
| 0640 | | Austin-San Marcos, TX MSA | 354 | 402 | 455 | 536 | 598 | 683 | 831 |
| | | Bastrop County | 9 | 7 | 12 | 3 | 8 | 7 | 6 |
| | | Caldwell County | 6 | 4 | 4 | 2 | 4 | 2 | 4 |
| | | Hays County | 9 | 5 | 8 | 9 | 7 | 12 | 23 |
| | | Travis County | 162 | 189 | 212 | 258 | 288 | 333 | 397 |
| | | Williamson County | 168 | 197 | 219 | 264 | 291 | 329 | 401 |
| 0680 | | Bakersfield, CA MSA | 50 | 92 | 73 | 57 | 73 | 58 | 54 |
| | | Kern County | 50 | 92 | 73 | 57 | 73 | 58 | 54 |
| 0720 | | Baltimore, MD PMSA (See Washington-Baltimore, DC-MD-VA-WV CMSA) | 369 | 397 | 439 | 445 | 495 | 425 | 470 |
| 0730 | | Bangor, ME MSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Penobscot County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Waldo County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 0733 | | Bangor, ME NECMA | 5 | 3 | 2 | 1 | 6 | 2 | 4 |
| | | Penobscot County | 5 | 3 | 2 | 1 | 6 | 2 | 4 |
| 0740 | | Barnstable-Yarmouth, MA MSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Barnstable County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 0743 | | Barnstable-Yarmouth, MA NECMA | 29 | 42 | 41 | 45 | 32 | 40 | 46 |
| | | Barnstable County | 29 | 42 | 41 | 45 | 32 | 40 | 46 |
| 0760 | | Baton Rouge, LA MSA | 193 | 204 | 181 | 170 | 150 | 150 | 124 |
| | | Ascension Parish | 5 | 4 | 5 | 9 | 7 | 4 | 6 |
| | | East Baton Rouge Parish | 180 | 194 | 171 | 158 | 138 | 134 | 110 |
| | | Livingston Parish | 4 | 5 | 4 | 3 | 4 | 9 | 7 |
| | | West Baton Rouge Parish | 4 | 1 | 1 | 0 | 1 | 3 | 1 |
| | | Beaumont-Port Arthur, TX MSA | 38 | 37 | 43 | 46 | 43 | 47 | 52 |
| 0840 | | Hardin County | 1 | 3 | 1 | 4 | 0 | 5 | 3 |
| | | Jefferson County | 29 | 18 | 32 | 25 | 33 | 30 | 32 |
| | | Orange County | 8 | 16 | 10 | 17 | 10 | 12 | 17 |
| | | Bellingham, WA MSA | 29 | 33 | 21 | 26 | 23 | 32 | 33 |
| 0860 | | Whatcom County | 29 | 33 | 21 | 26 | 23 | 32 | 33 |
| | | Benton Harbor, MI MSA | 43 | 59 | 46 | 61 | 57 | 39 | 37 |
| 0870 | | Berrien County | 43 | 59 | 46 | 61 | 57 | 39 | 37 |
| | | Bergen-Passaic, NJ PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 333 | 355 | 355 | 348 | 362 | 359 | 406 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | | |
|--------------------|------|---|------------------------------|------|------|------|------|------|------|--|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | |
| 0880 | | Billings, MT MSA | 8 | 8 | 10 | 9 | 5 | 11 | 5 | |
| | | Yellowstone County | 8 | 8 | 10 | 9 | 5 | 11 | 5 | |
| 0920 | | Biloxi-Gulfport-Pascagoula, MS MSA | 19 | 17 | 16 | 20 | 19 | 16 | 16 | |
| | | Hancock County | 1 | 1 | 2 | 1 | 4 | 2 | 2 | |
| | | Harrison County | 11 | 10 | 7 | 11 | 7 | 9 | 10 | |
| | | Jackson County | 7 | 6 | 7 | 8 | 8 | 5 | 4 | |
| 0960 | | Binghamton, NY MSA | 106 | 96 | 93 | 109 | 137 | 123 | 135 | |
| | | Broome County | 94 | 77 | 76 | 88 | 120 | 105 | 112 | |
| | | Tioga County | 12 | 19 | 17 | 21 | 17 | 18 | 23 | |
| 1000 | | Birmingham, AL MSA | 47 | 63 | 40 | 52 | 50 | 51 | 55 | |
| | | Blount County | 1 | 2 | 0 | 0 | 0 | 0 | 0 | |
| | | Jefferson County | 24 | 34 | 21 | 29 | 27 | 25 | 26 | |
| | | St. Clair County | 3 | 0 | 0 | 2 | 3 | 1 | 2 | |
| | | Shelby County | 19 | 27 | 19 | 21 | 20 | 25 | 27 | |
| 1010 | | Bismarck, ND MSA | 8 | 9 | 3 | 10 | 2 | 8 | 6 | |
| | | Burleigh County | 8 | 8 | 0 | 5 | 1 | 8 | 5 | |
| | | Morton County | 0 | 1 | 3 | 5 | 1 | 0 | 1 | |
| 1020 | | Bloomington, IN MSA | 10 | 17 | 16 | 22 | 17 | 14 | 17 | |
| | | Monroe County | 10 | 17 | 16 | 22 | 17 | 14 | 17 | |
| 1040 | | Bloomington-Normal, IL MSA | 7 | 14 | 10 | 9 | 12 | 20 | 10 | |
| | | McLean County | 7 | 14 | 10 | 9 | 12 | 20 | 10 | |
| 1080 | | Boise City, ID MSA | 82 | 123 | 170 | 247 | 245 | 220 | 271 | |
| | | Ada County | 74 | 116 | 166 | 236 | 235 | 213 | 255 | |
| | | Canyon County | 8 | 7 | 4 | 11 | 10 | 7 | 16 | |
| 1120 | | Boston, MA-NH PMSA (See Boston-Worcester-Lawrence, MA-NJ-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| 1122 | | Boston-Worcester-Lawrence MA-NH-ME-CT CMSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| 1120 | | Boston, MA-NH PMSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Bristol, County, MA (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Essex County, MA (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Middlesex County, MA (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Norfolk County, MA (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Plymouth County, MA (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Suffolk County, MA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Worcester County, MA (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| 1200 | | Rockingham County, NH (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Brockton, MA PMSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Bristol County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Norfolk County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| 2600 | | Plymouth County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Fitchburg-Leominster, MA PMSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Middlesex County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| | | Worcester County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | |
| <i>(continued)</i> | | | | | | | | | | |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 1122 | | Boston-Worcester-Lawrence MA-NH-ME-CT CMSA <i>(continued)</i> | | | | | | | |
| | 4160 | Lawrence, MA-NH PMSA Essex County, MA (part) Rockingham County, NH (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | 4560 | Lowell, MA-NH PMSA Middlesex County, MA (part) Hillsborough County, NH (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | 4760 | Manchester, NH PMSA Hillsborough County (part) Merrimack County (part) Rockingham County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | 5350 | Nashua, NH PMSA Hillsborough County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | 5400 | New Bedford, MA PMSA Bristol County (part) Plymouth County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | 6450 | Portsmouth-Rochester, NH-ME PMSA York County, ME (part) Rockingham County, NH (part) Strafford County, NH (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | 9240 | Worcester, MA-CT PMSA Windham County, CT (part) Hampden County, MA (part) Worcester County, MA (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1123 | | Boston-Worcester-Lawrence-Lowell-Brockton, MA-NH NECMA | 2051 | 2092 | 2310 | 2342 | 2477 | 2318 | 2587 |
| | | Bristol County, MA Essex County, MA Middlesex County, MA Norfolk County, MA Plymouth County, MA Suffolk County, MA Worcester County, MA Hillsborough County, NH Rockingham County, NH Strafford County, NH | 62 | 77 | 65 | 78 | 122 | 87 | 95 |
| | | | 196 | 219 | 199 | 224 | 252 | 230 | 264 |
| | | | 931 | 909 | 1069 | 1033 | 1036 | 995 | 1102 |
| | | | 275 | 273 | 295 | 303 | 325 | 275 | 313 |
| | | | 67 | 72 | 66 | 66 | 62 | 76 | 77 |
| | | | 84 | 79 | 105 | 132 | 132 | 123 | 148 |
| | | | 191 | 216 | 241 | 211 | 237 | 220 | 274 |
| | | | 146 | 128 | 135 | 163 | 176 | 160 | 159 |
| | | | 72 | 78 | 88 | 85 | 93 | 106 | 106 |
| | | | 27 | 41 | 47 | 47 | 42 | 46 | 49 |
| 1125 | | Boulder-Longmont, CO PMSA (See Denver-Boulder-Greeley, CO CMSA) | 160 | 148 | 187 | 216 | 257 | 290 | 288 |
| 1145 | | Brazoria, TX PMSA (See Houston-Galveston-Brazoria, TX CMSA) | 146 | 130 | 123 | 123 | 121 | 96 | 83 |
| 1150 | | Bremerton, WA PMSA (See Seattle-Tacoma-Bremerton, WA CMSA) | 9 | 10 | 15 | 27 | 24 | 14 | 35 |
| 1160 | | Bridgeport, CT PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 1200 | | Brockton, MA PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1240 | | Brownsville-Harlingen-San Benito, TX MSA Cameron County | 4 | 3 | 5 | 1 | 0 | 12 | 6 |
| 1260 | | Bryan-College Station, TX MSA Brazos County | 15 | 25 | 28 | 39 | 38 | 37 | 38 |
| 1280 | | Buffalo-Niagra Falls, NY MSA Erie County Niagra County | 268 | 282 | 297 | 266 | 249 | 272 | 253 |
| | | | 221 | 226 | 227 | 208 | 206 | 226 | 199 |
| | | | 47 | 56 | 70 | 58 | 43 | 46 | 54 |
| 1303 | | Burlington, VT MSA Chittenden County (part) Franklin County (part) Grand Isle County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1305 | | Burlington, VT NECMA Chittenden County Franklin County Grand Isle County | 71 | 60 | 67 | 72 | 71 | 97 | 179 |
| | | | 68 | 55 | 63 | 67 | 66 | 91 | 168 |
| | | | 3 | 2 | 1 | 3 | 5 | 4 | 7 |
| | | | 0 | 3 | 3 | 2 | 0 | 2 | 4 |
| 1320 | | Canton-Massillon, OH MSA Carroll County Stark County | 73 | 92 | 84 | 114 | 86 | 98 | 113 |
| | | | 2 | 7 | 3 | 1 | 1 | 4 | 1 |
| | | | 71 | 85 | 81 | 113 | 85 | 94 | 112 |
| 1350 | | Casper, WY MSA Natrona County | 5 | 3 | 4 | 5 | 9 | 5 | 2 |
| | | | 5 | 3 | 4 | 5 | 9 | 5 | 2 |
| 1360 | | Cedar Rapids, IA MSA Linn County | 67 | 60 | 59 | 72 | 74 | 56 | 73 |
| | | | 67 | 60 | 59 | 72 | 74 | 56 | 73 |
| 1400 | | Champaign-Urbana, IL MSA Champaign County | 28 | 26 | 24 | 47 | 43 | 39 | 49 |
| | | | 28 | 26 | 24 | 47 | 43 | 39 | 49 |
| 1440 | | Charleston-North Charleston, SC MSA Berkeley County Charleston County Dorchester County | 39 | 62 | 61 | 48 | 32 | 50 | 57 |
| | | | 13 | 21 | 26 | 16 | 11 | 16 | 19 |
| | | | 24 | 38 | 30 | 28 | 19 | 32 | 33 |
| | | | 2 | 3 | 5 | 4 | 2 | 2 | 5 |
| 1480 | | Charleston, WV MSA Kanawha County Putnam County | 60 | 53 | 73 | 78 | 43 | 40 | 28 |
| | | | 58 | 51 | 60 | 58 | 31 | 28 | 23 |
| | | | 2 | 2 | 13 | 20 | 12 | 12 | 5 |
| 1520 | | Charlotte-Gastonia-Rock Hill, NC-SC MSA Cabarrus County, NC Gaston County, NC Lincoln County, NC Mecklenburg County, NC Rowan County, NC <i>(continued)</i> | 172 | 172 | 159 | 170 | 168 | 188 | 192 |
| | | | 6 | 7 | 13 | 9 | 14 | 13 | 6 |
| | | | 12 | 12 | 20 | 24 | 22 | 20 | 25 |
| | | | 0 | 2 | 1 | 1 | 2 | 6 | 3 |
| | | | 109 | 122 | 98 | 99 | 106 | 109 | 134 |
| | | | 11 | 9 | 3 | 2 | 1 | 4 | 2 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 1520 | | Charlotte-Gastonia-Rock Hill, NC-SC MSA <i>(continued)</i> | | | | | | | |
| | | Union County, NC | 8 | 4 | 4 | 9 | 4 | 12 | 4 |
| | | York County, SC | 26 | 16 | 20 | 26 | 19 | 24 | 18 |
| 1540 | | Charlottesville, VA MSA | 38 | 40 | 24 | 28 | 26 | 23 | 33 |
| | | Albemarle County | 14 | 7 | 7 | 7 | 3 | 5 | 5 |
| | | Fluvanna County | 2 | 0 | 1 | 3 | 3 | 1 | 0 |
| | | Greene County | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | Charlottesville (city) | 22 | 33 | 15 | 18 | 20 | 17 | 28 |
| 1560 | | Chattanooga, TN-GA MSA | 39 | 52 | 47 | 48 | 43 | 43 | 44 |
| | | Catoosa County, GA | 3 | 3 | 3 | 2 | 0 | 1 | 3 |
| | | Dade County, GA | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | Walker County, GA | 2 | 1 | 3 | 4 | 2 | 4 | 2 |
| | | Hamilton County, TN | 34 | 48 | 41 | 41 | 39 | 38 | 38 |
| | | Marion County, TN | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 1580 | | Cheyenne, WY MSA | 1 | 8 | 4 | 5 | 1 | 2 | 6 |
| | | Laramie County | 1 | 8 | 4 | 5 | 1 | 2 | 6 |
| 1600 | | Chicago, IL PMSA | 2086 | 2232 | 2388 | 2336 | 2260 | 2303 | 2476 |
| | | (See Chicago-Gary-Kenosha, IL-IN-WI CMSA) | | | | | | | |
| 1602 | | Chicago-Gary-Kenosha, IL-IN-WI CMSA | 2171 | 2302 | 2450 | 2439 | 2335 | 2395 | 2565 |
| | | Chicago, IL PMSA | 2086 | 2232 | 2388 | 2336 | 2260 | 2303 | 2476 |
| | | Cook County | 922 | 978 | 1015 | 971 | 919 | 981 | 996 |
| | | DeKalb County | 9 | 4 | 6 | 13 | 11 | 12 | 16 |
| | | DuPage County | 528 | 584 | 601 | 599 | 600 | 565 | 586 |
| | | Grundy County | 4 | 6 | 6 | 3 | 3 | 7 | 5 |
| | | Kane County | 124 | 93 | 103 | 123 | 119 | 115 | 115 |
| | | Kendall County | 7 | 8 | 7 | 16 | 13 | 8 | 10 |
| | | Lake County | 286 | 326 | 390 | 375 | 349 | 357 | 452 |
| | | McHenry County | 77 | 91 | 101 | 91 | 114 | 127 | 125 |
| | | Will County | 129 | 142 | 159 | 145 | 132 | 131 | 171 |
| 2960 | | Gary, IN PMSA | 53 | 42 | 39 | 50 | 47 | 38 | 54 |
| | | Lake County | 36 | 31 | 22 | 32 | 32 | 24 | 36 |
| | | Porter County | 17 | 11 | 17 | 18 | 15 | 14 | 18 |
| 3740 | | Kanakee, IL PMSA | 5 | 7 | 9 | 10 | 8 | 11 | 5 |
| | | Kanakee County | 5 | 7 | 9 | 10 | 8 | 11 | 5 |
| 3800 | | Kenosha, WI PMSA | 27 | 21 | 14 | 43 | 20 | 43 | 30 |
| | | Kenosha County | 27 | 21 | 14 | 43 | 20 | 43 | 30 |
| 1620 | | Chico-Paradise, CA MSA | 47 | 22 | 16 | 12 | 14 | 14 | 8 |
| | | Butte County | 47 | 22 | 16 | 12 | 14 | 14 | 8 |
| 1640 | | Cincinnati, OH-KY-IN PMSA | 420 | 444 | 510 | 553 | 586 | 539 | 613 |
| | | (See Cincinnati-Hamilton, OH-KY-IN CMSA) | | | | | | | |
| 1642 | | Cincinnati-Hamilton, OH-KY-IN CMSA | 489 | 538 | 615 | 685 | 724 | 640 | 770 |
| | | Cincinnati, OH-KY-IN PMSA | 420 | 444 | 510 | 553 | 586 | 539 | 613 |
| | | Dearborn County, IN <i>(continued)</i> | 2 | 7 | 4 | 7 | 4 | 6 | 6 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | | |
|------------------|--|---|------------------------------|------|------|------|------|------|------|-----|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | |
| 1642 | 1640 | Cincinnati-Hamilton, OH-KY-IN CMSA | | | | | | | | |
| | | Cincinnati, OH-KY-IN PMSA <i>(continued)</i> | | | | | | | | |
| | | Ohio County, IN | 0 | 0 | 0 | 0 | 0 | 0 | 2 | |
| | | Boone County, KY | 10 | 6 | 8 | 9 | 11 | 19 | 15 | |
| | | Campbell County, KY | 8 | 6 | 11 | 8 | 5 | 7 | 8 | |
| | | Gallatin County, KY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Grant County, KY | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| | | Kenton County, KY | 13 | 16 | 6 | 11 | 17 | 6 | 10 | |
| | | Pendleton County, KY | 0 | 5 | 5 | 6 | 1 | 0 | 4 | |
| | | Brown County, OH | 1 | 0 | 2 | 3 | 2 | 1 | 2 | |
| | 3200 | Clermont County, OH | 24 | 21 | 23 | 32 | 35 | 29 | 28 | |
| | | Hamilton County, OH | 312 | 330 | 384 | 398 | 446 | 395 | 473 | |
| | | Warren County, OH | 50 | 53 | 66 | 79 | 65 | 76 | 65 | |
| | | Hamilton-Middletown, OH PMSA | 69 | 94 | 105 | 132 | 138 | 101 | 157 | |
| | | Butler County | 69 | 94 | 105 | 132 | 138 | 101 | 157 | |
| 1660 | Clarksville-Hopkinsville, TN-KY MSA | | | 6 | 9 | 12 | 5 | 3 | 10 | 5 |
| | Christian County, KY | | | 3 | 4 | 8 | 2 | 1 | 4 | 3 |
| | Montgomery County, TN | | | 3 | 5 | 4 | 3 | 2 | 6 | 2 |
| 1680 | Cleveland-Lorain-Elyria, OH PMSA (See Cleveland-Akron, OH CMSA) | | | 605 | 625 | 648 | 614 | 660 | 566 | 540 |
| 1692 | 0080 | Cleveland-Akron, OH CMSA | 844 | 901 | 891 | 841 | 916 | 804 | 769 | |
| | | Akron, OH PMSA | 239 | 276 | 243 | 227 | 256 | 238 | 229 | |
| | | Portage County | 51 | 61 | 52 | 53 | 53 | 65 | 47 | |
| | | Summit County | 188 | 215 | 191 | 174 | 203 | 173 | 182 | |
| | | Cleveland-Lorain-Elyria, OH PMSA | 605 | 625 | 648 | 614 | 660 | 566 | 540 | |
| | 1680 | Ashtabula County | 8 | 3 | 7 | 10 | 8 | 7 | 4 | |
| | | Cuyahoga County | 330 | 370 | 394 | 382 | 397 | 317 | 320 | |
| | | Geauga County | 61 | 37 | 50 | 49 | 53 | 52 | 47 | |
| | | Lake County | 96 | 92 | 77 | 70 | 88 | 90 | 75 | |
| | | Lorain County | 62 | 66 | 69 | 64 | 66 | 57 | 49 | |
| 1720 | Medina County | | | 48 | 57 | 51 | 39 | 48 | 43 | 45 |
| | Colorado Springs, CO MSA | | | 72 | 84 | 108 | 103 | 112 | 130 | 165 |
| | El Paso County | | | 72 | 84 | 108 | 103 | 112 | 130 | 165 |
| 1740 | Columbia, MO MSA | | | 18 | 20 | 20 | 16 | 13 | 22 | 17 |
| | Boone County | | | 18 | 20 | 20 | 16 | 13 | 22 | 17 |
| 1760 | Columbia, SC MSA | | | 61 | 60 | 43 | 64 | 54 | 51 | 60 |
| | Lexington County | | | 38 | 35 | 24 | 38 | 36 | 29 | 38 |
| | Richland County | | | 23 | 25 | 19 | 26 | 18 | 22 | 22 |
| 1800 | Columbus, GA-AL MSA | | | 7 | 12 | 15 | 8 | 6 | 11 | 7 |
| | Russell County, AL | | | 1 | 2 | 1 | 1 | 2 | 1 | 2 |
| | Chattahoochee County, GA | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Harris County, GA | | | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | Muscogee County, GA | | | 6 | 10 | 14 | 7 | 4 | 9 | 5 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 1840 | | Columbus, OH MSA | 207 | 260 | 234 | 216 | 264 | 253 | 307 |
| | | Delaware County | 50 | 53 | 57 | 50 | 62 | 65 | 73 |
| | | Fairfield County | 41 | 64 | 44 | 31 | 49 | 42 | 53 |
| | | Franklin County | 83 | 103 | 90 | 95 | 108 | 99 | 128 |
| | | Licking County | 27 | 33 | 36 | 33 | 39 | 39 | 43 |
| | | Madison County | 3 | 3 | 4 | 4 | 2 | 4 | 2 |
| | | Pickaway County | 3 | 4 | 3 | 3 | 4 | 4 | 8 |
| 1880 | | Corpus Christi, TX MSA | 21 | 23 | 28 | 26 | 33 | 27 | 24 |
| | | Nueces County | 10 | 11 | 13 | 14 | 14 | 13 | 12 |
| | | San Patricio County | 11 | 12 | 15 | 12 | 19 | 14 | 12 |
| 1900 | | Cumberland, MD-WV MSA | 2 | 5 | 5 | 1 | 8 | 4 | 2 |
| | | Allegany County, MD | 1 | 3 | 4 | 1 | 6 | 4 | 1 |
| | | Mineral County, WV | 1 | 2 | 1 | 0 | 2 | 0 | 1 |
| 1920 | | Dallas, TX PMSA (See Dallas-Fort Worth, TX CMSA) | 749 | 796 | 849 | 843 | 1033 | 1060 | 1202 |
| 1922 | | Dallas-Fort Worth, TX CMSA | 895 | 947 | 1022 | 1021 | 1232 | 1278 | 1453 |
| 1922 | 1920 | Dallas, TX PMSA | 749 | 796 | 849 | 843 | 1033 | 1060 | 1202 |
| | | Collin County | 196 | 217 | 223 | 227 | 300 | 298 | 352 |
| | | Dallas County | 209 | 211 | 236 | 225 | 271 | 280 | 297 |
| | | Denton County | 195 | 224 | 223 | 228 | 284 | 288 | 339 |
| | | Ellis County | 14 | 7 | 17 | 12 | 11 | 15 | 20 |
| | | Henderson County | 3 | 4 | 1 | 2 | 3 | 3 | 3 |
| | | Hunt County | 17 | 6 | 5 | 7 | 5 | 5 | 5 |
| | | Kaufman County | 47 | 52 | 62 | 62 | 60 | 72 | 76 |
| | | Rockwall County | 68 | 75 | 82 | 80 | 99 | 99 | 110 |
| | | Fort Worth-Arlington, TX PMSA | 146 | 151 | 173 | 178 | 199 | 218 | 251 |
| 1930 | | Hood County | 2 | 2 | 1 | 1 | 1 | 4 | 3 |
| | | Johnson County | 3 | 10 | 5 | 6 | 5 | 10 | 11 |
| | | Parker County | 10 | 11 | 13 | 13 | 14 | 11 | 7 |
| | | Tarrant County | 131 | 128 | 154 | 158 | 179 | 193 | 230 |
| | | Danbury, CT PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 1950 | | Danville, VA MSA | 1 | 2 | 6 | 0 | 3 | 1 | 5 |
| | | Pittsylvania County | 0 | 0 | 4 | 0 | 2 | 0 | 4 |
| | | Danville (city) | 1 | 2 | 2 | 0 | 1 | 1 | 1 |
| 1960 | | Davenport-Moline-Rock Island, IA-IL MSA | 43 | 41 | 45 | 40 | 39 | 43 | 45 |
| | | Henry County, IL | 10 | 9 | 7 | 4 | 5 | 16 | 6 |
| | | Rock Island County, IL | 19 | 20 | 18 | 20 | 19 | 11 | 15 |
| | | Scott County, IA | 14 | 12 | 20 | 16 | 15 | 16 | 24 |
| 2000 | | Dayton-Springfield, OH MSA | 318 | 313 | 273 | 250 | 204 | 247 | 276 |
| | | Clark County | 15 | 20 | 23 | 6 | 11 | 9 | 9 |
| | | Greene County | 53 | 50 | 43 | 52 | 42 | 54 | 68 |
| | | Miami County | 27 | 34 | 40 | 26 | 24 | 22 | 40 |
| | | Montgomery County | 223 | 209 | 167 | 166 | 127 | 162 | 159 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|---|---|---|---|---|---|--------------------------------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 2020 | | Daytona Beach, FL MSA Flagler County Volusia County | 30 2 28 | 28 1 27 | 42 2 40 | 40 1 39 | 43 1 42 | 34 3 31 | 24 0 24 |
| 2030 | | Decatur, AL MSA Lawrence County Morgan County | 8 0 8 | 8 0 8 | 4 0 4 | 4 0 4 | 9 2 7 | 12 1 11 | 4 0 4 |
| 2040 | | Decatur, IL MSA Macon County | | 15 15 | 10 8 | 8 10 | 10 18 | 18 24 | 14 14 |
| 2080 | | Denver, CO PMSA (See Denver-Boulder-Greeley, CO CMSA) | 346 | 321 | 375 | 378 | 412 | 430 | 438 |
| 2082 | 1125 | Denver-Boulder-Greeley, CO CMSA Boulder-Longmont, CO PMSA Boulder County | 543 160 160 | 506 148 148 | 592 187 187 | 639 216 216 | 725 257 257 | 775 290 290 | 786 288 288 |
| | 2080 | Denver, CO PMSA Adams County Arapahoe County Denver County Douglas County Jefferson County | 346 | 321 | 375 | 378 | 412 | 430 | 438 |
| | 3060 | Greeley, CO PMSA Weld County | 48 47 47 74 35 142 37 37 | 43 42 53 93 42 144 30 30 | 43 53 51 87 46 148 45 45 | 46 58 63 69 60 158 56 56 | 58 67 67 72 60 173 55 55 | 60 74 74 80 60 164 60 60 | |
| 2120 | | Des Moines, IA MSA Dallas County Polk County Warren County | 48 5 40 3 | 53 9 38 6 | 47 5 41 1 | 46 6 37 3 | 56 11 41 4 | 70 12 54 4 | 67 13 52 2 |
| 2160 | | Detroit, MI PMSA (See Detroit-Ann Arbor-Flint, MI CMSA) | 1339 | 1463 | 1434 | 1562 | 1537 | 1482 | 1726 |
| 2162 | 0440 | Detroit-Ann Arbor-Flint, MI CMSA Ann Arbor, MI PMSA Lenawee County Livingston County Washtenaw County | 1623 236 18 30 188 | 1791 273 27 49 197 | 1745 226 23 32 171 | 1900 283 39 42 202 | 1934 331 28 56 247 | 1838 298 20 56 222 | 2155 369 22 89 258 |
| | 2160 | Detroit, MI PMSA Lapeer County Macomb County Monroe County Oakland County St. Clair County Wayne County | 1339 | 1463 | 1434 | 1562 | 1537 | 1482 | 1726 |
| | 2640 | Flint, MI PMSA Genesee County | 18 236 14 672 41 358 48 48 | 22 245 21 730 30 385 55 55 | 18 245 21 735 26 416 55 55 | 22 267 22 809 24 444 66 66 | 21 255 35 757 24 424 58 58 | 21 240 42 759 34 498 60 60 | |
| 2180 | | Dothan, AL MSA Dale County Houston County | 2 1 1 | 2 1 1 | 9 7 2 | 1 1 0 | 6 2 4 | 10 3 7 | 7 2 5 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 2190 | | Dover, DE MSA Kent County | 12 | 13 | 11 | 8 | 13 | 10 | 6 |
| | | | 12 | 13 | 11 | 8 | 13 | 10 | 6 |
| 2200 | | Dubuque, IA MSA Dubuque County | 13 | 24 | 11 | 11 | 5 | 9 | 7 |
| | | | 13 | 24 | 11 | 11 | 5 | 9 | 7 |
| 2240 | | Duluth-Superior, MN-WI MSA St. Louis County, MN Douglas County, WI | 10 | 15 | 15 | 16 | 23 | 16 | 19 |
| | | | 10 | 15 | 13 | 15 | 20 | 15 | 17 |
| | | | 0 | 0 | 2 | 1 | 3 | 1 | 2 |
| 2281 | | Dutchess County, NY PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 110 | 123 | 165 | 212 | 234 | 237 | 290 |
| 2290 | | Eau Claire, WI MSA Chippewa County Eau Claire County | 15 | 20 | 40 | 40 | 35 | 33 | 31 |
| | | | 10 | 15 | 31 | 32 | 24 | 22 | 19 |
| | | | 5 | 5 | 9 | 8 | 11 | 11 | 12 |
| 2320 | | El Paso, TX MSA El Paso County | 23 | 23 | 21 | 14 | 12 | 20 | 18 |
| | | | 23 | 23 | 21 | 14 | 12 | 20 | 18 |
| 2330 | | Elkhart-Goshen, IN MSA Elkhart County | 37 | 46 | 42 | 58 | 37 | 36 | 48 |
| | | | 37 | 46 | 42 | 58 | 37 | 36 | 48 |
| 2335 | | Elmira, NY MSA Chemung County | 49 | 30 | 41 | 47 | 55 | 26 | 36 |
| | | | 49 | 30 | 41 | 47 | 55 | 26 | 36 |
| 2340 | | Enid, OK MSA Garfield County | 5 | 2 | 3 | 4 | 0 | 0 | 0 |
| | | | 5 | 2 | 3 | 4 | 0 | 0 | 0 |
| 2360 | | Erie, PA MSA Erie County | 54 | 49 | 56 | 46 | 55 | 50 | 60 |
| | | | 54 | 49 | 56 | 46 | 55 | 50 | 60 |
| 2400 | | Eugene-Springfield, OR MSA Lane County | 45 | 38 | 28 | 47 | 60 | 57 | 61 |
| | | | 45 | 38 | 28 | 47 | 60 | 57 | 61 |
| 2440 | | Evansville-Henderson, IN-KY MSA Posey County, IN Vanderburgh County, IN Warrick County, IN Henderson County, KY | 77 | 68 | 42 | 49 | 51 | 66 | 58 |
| | | | 26 | 12 | 15 | 6 | 7 | 13 | 6 |
| | | | 45 | 46 | 16 | 29 | 32 | 42 | 39 |
| | | | 4 | 5 | 3 | 7 | 7 | 8 | 12 |
| | | | 2 | 5 | 8 | 7 | 5 | 3 | 1 |
| 2520 | | Fargo-Moorhead, ND-MN MSA Clay County, MN Cass County, ND | 12 | 21 | 22 | 16 | 13 | 25 | 24 |
| | | | 2 | 4 | 6 | 5 | 1 | 9 | 7 |
| | | | 10 | 17 | 16 | 11 | 12 | 16 | 17 |
| 2560 | | Fayetteville, NC MSA Cumberland County | 6 | 13 | 7 | 7 | 4 | 2 | 7 |
| | | | 6 | 13 | 7 | 7 | 4 | 2 | 7 |
| 2580 | | Fayetteville-Springdale-Rogers, AR MSA Benton County Washington County | 11 | 22 | 36 | 20 | 22 | 31 | 20 |
| | | | 6 | 8 | 17 | 8 | 11 | 14 | 11 |
| | | | 5 | 14 | 19 | 12 | 11 | 17 | 9 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-----------------------------------|-------------------------------------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 2600 | | Fitchburg-Leominster, MA PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 2620 | | Flagstaff, AZ-UT MSA Coconino County, AZ Kane County, UT | 8 8 0 | 12 12 0 | 18 18 0 | 15 15 0 | 14 14 0 | 19 19 0 | 6 6 0 |
| 2640 | | Flint, MI PMSA (See Detroit-Ann Arbor-Flint, MI CMSA) | 48 | 55 | 85 | 55 | 66 | 58 | 60 |
| 2650 | | Florence, AL MSA Colbert County Lauderdale County | 26 3 23 | 26 4 22 | 21 5 16 | 18 4 14 | 13 2 11 | 13 6 7 | 15 9 6 |
| 2655 | | Florence, SC MSA Florence County | 9 9 | 11 11 | 10 10 | 12 12 | 21 21 | 17 17 | 19 19 |
| 2670 | | Fort Collins-Loveland, CO MSA Larimer County | 61 61 | 100 100 | 94 94 | 120 120 | 148 148 | 119 119 | 148 148 |
| 2680 | | Fort Lauderdale, FL PMSA (See Miami-Fort Lauderdale, FL CMSA) | 247 | 236 | 274 | 274 | 325 | 358 | 347 |
| 2700 | | Fort Myers-Cape Coral, FL MSA Lee County | 38 38 | 40 40 | 38 38 | 36 36 | 35 35 | 48 48 | 46 46 |
| 2710 | | Fort Pierce-Port St. Lucie, FL MSA Martin County St. Lucie County | 29 15 14 | 37 29 8 | 53 45 8 | 49 32 17 | 45 28 17 | 37 30 7 | 45 33 12 |
| 2720 | | Fort Smith, AR-OK MSA Crawford County, AR Sebastian County, AR Sequoyah County, OK | 12 0 9 3 | 11 2 8 1 | 15 1 11 3 | 10 0 10 0 | 16 3 10 3 | 8 0 7 1 | 8 2 5 1 |
| 2750 | | Fort Walton Beach, FL MSA Okaloosa County | 10 10 | 12 12 | 8 8 | 5 5 | 8 8 | 5 5 | 12 12 |
| 2760 | | Fort Wayne, IN MSA Adams County Allen County De Kalb County Huntington County Wells County Whitley County | 110 1 77 12 9 4 7 | 123 5 92 14 6 3 3 | 103 4 73 13 6 2 5 | 109 2 79 15 6 3 2 | 100 2 72 7 8 3 9 | 88 6 62 7 7 2 2 | 104 2 79 7 10 3 8 |
| 2800 | | Fort Worth-Arlington, TX PMSA (See Dallas-Fort Worth, TX CMSA) | 146 | 151 | 173 | 178 | 199 | 218 | 251 |
| 2840 | | Fresno, CA MSA Fresno County Madera County | 25 22 3 | 31 26 5 | 40 31 9 | 41 35 6 | 46 40 6 | 40 31 9 | 39 37 2 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 2880 | | Gadsden, AL MSA Etowah County | 1 | 3 | 2 | 5 | 3 | 9 | 4 |
| | | | 1 | 3 | 2 | 5 | 3 | 9 | 4 |
| 2900 | | Gainesville, FL MSA Alachua County | 60 | 68 | 64 | 63 | 63 | 72 | 74 |
| | | | 60 | 68 | 64 | 63 | 63 | 72 | 74 |
| 2920 | | Galveston-Texas City TX PMSA (See Houston-Galveston-Brazoria, TX CMSA) | 32 | 41 | 45 | 51 | 53 | 44 | 42 |
| 2960 | | Gary, IN PMSA (See Chicago-Gary-Kenosha, IN CMSA) | 53 | 42 | 39 | 50 | 47 | 38 | 54 |
| 2975 | | Glens Falls, NY MSA Warren County Washington County | 28 | 25 | 27 | 34 | 23 | 20 | 26 |
| | | | 23 | 18 | 26 | 25 | 18 | 17 | 21 |
| | | | 5 | 7 | 1 | 9 | 5 | 3 | 5 |
| 2980 | | Goldsboro, NC MSA Wayne County | 3 | 1 | 4 | 3 | 1 | 5 | 4 |
| | | | 3 | 1 | 4 | 3 | 1 | 5 | 4 |
| 2985 | | Grand Forks, ND-MN MSA Polk County, MN Grand Forks County, ND | 7 | 11 | 7 | 11 | 7 | 9 | 13 |
| | | | 3 | 3 | 3 | 2 | 2 | 2 | 3 |
| | | | 4 | 8 | 4 | 9 | 5 | 7 | 10 |
| 2995 | | Grand Junction, CO MSA Mesa County | 11 | 7 | 6 | 5 | 8 | 11 | 12 |
| | | | 11 | 7 | 6 | 5 | 8 | 11 | 12 |
| 3000 | | Grand Rapids-Muskegon-Holland, MI MSA Allegan County Kent County Muskegon County Ottawa County | 220 | 260 | 267 | 257 | 291 | 260 | 275 |
| | | | 37 | 49 | 49 | 43 | 48 | 41 | 47 |
| | | | 88 | 96 | 113 | 107 | 125 | 105 | 120 |
| | | | 19 | 35 | 19 | 20 | 31 | 30 | 21 |
| | | | 76 | 80 | 86 | 87 | 87 | 84 | 87 |
| 3040 | | Great Falls, MT MSA Cascade County | 4 | 4 | 4 | 3 | 3 | 2 | 2 |
| | | | 4 | 4 | 4 | 3 | 3 | 2 | 2 |
| 3060 | | Greeley, CO PMSA (See Denver-Boulder-Greeley, CO CMSA) | 37 | 37 | 30 | 45 | 56 | 55 | 60 |
| 3080 | | Green Bay, WI MSA Brown County | 21 | 30 | 44 | 21 | 27 | 31 | 40 |
| | | | 21 | 30 | 44 | 21 | 27 | 31 | 40 |
| 3120 | | Greensboro--Winston-Salem-High Point, NC MSA Alamance County Davidson County Davie County Forsyth County Guilford County Randolph County Stokes County Yadkin County | 170 | 193 | 181 | 169 | 174 | 178 | 200 |
| | | | 8 | 12 | 18 | 11 | 8 | 17 | 15 |
| | | | 9 | 12 | 11 | 11 | 15 | 8 | 11 |
| | | | 1 | 4 | 7 | 5 | 9 | 6 | 9 |
| | | | 82 | 90 | 74 | 67 | 75 | 69 | 65 |
| | | | 57 | 57 | 57 | 59 | 55 | 59 | 73 |
| | | | 4 | 14 | 8 | 12 | 9 | 8 | 13 |
| | | | 7 | 3 | 5 | 2 | 1 | 8 | 10 |
| | | | 2 | 1 | 1 | 2 | 2 | 3 | 4 |
| 3150 | | Greenville, NC MSA Pitt County | 7 | 6 | 8 | 7 | 19 | 10 | 18 |
| | | | 7 | 6 | 8 | 7 | 19 | 10 | 18 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 3160 | | Greenville-Spartanburg-Anderson, SC MSA | 170 | 169 | 203 | 179 | 192 | 187 | 216 |
| | | Anderson County | 25 | 13 | 26 | 23 | 23 | 27 | 23 |
| | | Cherokee County | 1 | 2 | 3 | 2 | 2 | 2 | 3 |
| | | Greenville County | 79 | 74 | 79 | 72 | 75 | 88 | 91 |
| | | Pickens County | 9 | 20 | 23 | 22 | 31 | 22 | 32 |
| | | Spartanburg County | 56 | 60 | 72 | 60 | 61 | 48 | 67 |
| 3180 | | Hagerstown, MD PMSA (See Washington-Baltimore, DC-MD-VA-WV CMSA) | 8 | 7 | 12 | 12 | 6 | 5 | 4 |
| 3200 | | Hamilton-Middletown, OH PMSA (See Cincinnati-Hamilton, OH-KY-IN CMSA) | 69 | 94 | 105 | 132 | 138 | 101 | 157 |
| 3240 | | Harrisburg-Lebanon-Carlisle, PA MSA | 145 | 170 | 171 | 145 | 119 | 125 | 136 |
| | | Cumberland County | 46 | 53 | 51 | 38 | 39 | 37 | 27 |
| | | Dauphin County | 86 | 99 | 96 | 89 | 64 | 77 | 85 |
| | | Lebanon County | 10 | 14 | 16 | 15 | 15 | 9 | 21 |
| | | Perry County | 3 | 4 | 8 | 3 | 1 | 2 | 3 |
| 3280 | | Hartford, CT MSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Hartford County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Litchfield County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Middlesex County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | New London County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Tolland County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Windham County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 3283 | | Hartford, CT NECMA | 389 | 418 | 410 | 459 | 468 | 419 | 374 |
| | | Hartford County | 252 | 302 | 301 | 341 | 334 | 297 | 262 |
| | | Middlesex County | 68 | 60 | 59 | 58 | 73 | 63 | 56 |
| | | Tolland County | 69 | 56 | 50 | 60 | 61 | 59 | 56 |
| 3285 | | Hattiesburg, MS MSA | 6 | 15 | 10 | 6 | 4 | 6 | 8 |
| | | Forrest County | 3 | 7 | 4 | 3 | 2 | 3 | 4 |
| | | Lamar County | 3 | 8 | 6 | 3 | 2 | 3 | 4 |
| 3290 | | Hickory-Morganton-Lenoir, NC MSA | 29 | 36 | 41 | 33 | 45 | 38 | 29 |
| | | Alexander County | 1 | 2 | 5 | 4 | 2 | 0 | 1 |
| | | Burke County | 10 | 13 | 14 | 13 | 15 | 16 | 8 |
| | | Caldwell County | 6 | 4 | 5 | 3 | 4 | 6 | 4 |
| | | Catawba County | 12 | 17 | 17 | 13 | 24 | 16 | 16 |
| 3320 | | Honolulu, HI MSA | 56 | 43 | 53 | 57 | 44 | 46 | 46 |
| | | Honolulu County | 56 | 43 | 53 | 57 | 44 | 46 | 46 |
| 3350 | | Houma, LA MSA | 17 | 16 | 16 | 13 | 15 | 12 | 7 |
| | | Lafourche Parish | 6 | 7 | 6 | 4 | 7 | 2 | 3 |
| | | Terrebonne Parish | 11 | 9 | 10 | 9 | 8 | 10 | 4 |
| 3360 | | Houston, TX PMSA (See Houston-Galveston-Brazoria, TX CMSA) | 1009 | 1126 | 1165 | 1110 | 1234 | 1190 | 1122 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 3362 | 1145 | Houston-Galveston-Brazoria, TX CMSA | 1187 | 1297 | 1333 | 1284 | 1408 | 1330 | 1247 |
| | | Brazoria, TX PMSA | 146 | 130 | 123 | 123 | 121 | 96 | 83 |
| | | Brazoria County | 146 | 130 | 123 | 123 | 121 | 96 | 83 |
| | | Galveston-Texas City TX PMSA | 32 | 41 | 45 | 51 | 53 | 44 | 42 |
| | | Galveston County | 32 | 41 | 45 | 51 | 53 | 44 | 42 |
| | | Houston, TX PMSA | 1009 | 1126 | 1165 | 1110 | 1234 | 1190 | 1122 |
| | | Chambers County | 5 | 11 | 9 | 12 | 11 | 11 | 6 |
| | | Fort Bend County | 328 | 353 | 363 | 354 | 409 | 377 | 352 |
| | | Harris County | 383 | 438 | 441 | 428 | 452 | 457 | 434 |
| | | Liberty County | 0 | 3 | 4 | 2 | 2 | 1 | 0 |
| 3400 | 2920 | Montgomery County | 281 | 303 | 337 | 302 | 345 | 327 | 316 |
| | | Waller County | 12 | 18 | 11 | 12 | 15 | 17 | 14 |
| | | Huntington-Ashland, WV-KY-OH MSA | 31 | 25 | 24 | 23 | 26 | 16 | 15 |
| | | Boyd County, KY | 7 | 6 | 2 | 4 | 5 | 3 | 4 |
| | | Carter County, KY | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | | Greenup County, KY | 1 | 3 | 6 | 4 | 2 | 1 | 2 |
| | | Lawrence County, OH | 2 | 2 | 1 | 2 | 4 | 7 | 3 |
| | | Cabell County, WV | 13 | 8 | 8 | 9 | 9 | 3 | 2 |
| | | Wayne County, WV | 8 | 6 | 6 | 4 | 6 | 2 | 3 |
| | | Huntsville, AL MSA | 110 | 93 | 75 | 81 | 77 | 75 | 84 |
| 3440 | 3360 | Limestone County | 55 | 45 | 39 | 40 | 38 | 39 | 40 |
| | | Madison County | 55 | 48 | 36 | 41 | 39 | 36 | 44 |
| | | Indianapolis, IN MSA | 318 | 327 | 325 | 334 | 375 | 432 | 542 |
| | | Boone County | 16 | 14 | 17 | 7 | 18 | 19 | 18 |
| | | Hamilton County | 43 | 51 | 48 | 58 | 68 | 92 | 133 |
| | | Hancock County | 12 | 8 | 7 | 6 | 8 | 7 | 15 |
| | | Hendricks County | 13 | 16 | 8 | 9 | 26 | 20 | 7 |
| | | Johnson County | 14 | 17 | 19 | 17 | 23 | 32 | 40 |
| | | Madison County | 25 | 21 | 20 | 21 | 22 | 21 | 17 |
| | | Marion County | 182 | 179 | 196 | 199 | 195 | 217 | 295 |
| 3500 | 3480 | Morgan County | 7 | 15 | 6 | 11 | 8 | 17 | 11 |
| | | Shelby County | 6 | 6 | 4 | 6 | 7 | 7 | 6 |
| | | Iowa City, IA MSA | 21 | 15 | 29 | 25 | 16 | 33 | 28 |
| | | Johnson County | 21 | 15 | 29 | 25 | 16 | 33 | 28 |
| | | Jackson, MI MSA | 31 | 36 | 46 | 36 | 37 | 27 | 28 |
| | | Jackson County | 31 | 36 | 46 | 36 | 37 | 27 | 28 |
| | | Jackson, MS MSA | 18 | 19 | 14 | 12 | 25 | 15 | 16 |
| | | Hinds County | 7 | 8 | 7 | 4 | 8 | 4 | 4 |
| | | Madison County | 4 | 5 | 3 | 1 | 3 | 3 | 3 |
| | | Rankin County | 7 | 6 | 4 | 7 | 14 | 8 | 9 |
| 3580 | 3520 | Jackson, TN MSA | 4 | 8 | 5 | 10 | 10 | 7 | 9 |
| | | Madison County | 4 | 8 | 5 | 9 | 10 | 7 | 9 |
| | | Chester County | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 3600 | 3560 | Jacksonville, FL MSA <i>(continued)</i> | 60 | 59 | 83 | 79 | 70 | 78 | 99 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|---|--|---|--|---|---|--|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 3600 | | Jacksonville, FL MSA <i>(continued)</i> Clay County Duval County Nassau County St. Johns County | 4 51 4 1 | 6 46 2 5 | 5 66 2 10 | 5 58 5 11 | 3 48 7 12 | 6 53 5 14 | 9 76 3 11 |
| 3605 | | Jacksonville, NC MSA Onslow County | 0 0 | 2 2 | 1 1 | 2 2 | 3 3 | 5 5 | 4 4 |
| 3610 | | Jamestown, NY MSA Chautauqua County | 9 9 | 12 12 | 4 4 | 9 9 | 9 9 | 11 11 | 10 10 |
| 3620 | | Janesville-Beloit, WI MSA Rock County | 31 31 | 31 26 | 26 27 | 27 28 | 28 28 | 23 23 | 32 32 |
| 3640 | | Jersey City, NJ PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 45 | 47 | 41 | 34 | 41 | 30 | 45 |
| 3660 | | Johnson City-Kingsport-Bristol, TN-VA MSA Carter County, TN Hawkins County, TN Sullivan County, TN Unicoi County, TN Washington County, TN Scott County, VA Washington County, VA Bristol (city), VA | 118 5 47 53 1 6 2 2 2 | 98 1 40 47 0 5 1 2 2 | 109 4 33 48 2 8 1 10 | 134 4 40 60 1 14 0 11 | 126 3 43 53 1 12 1 8 | 110 6 42 46 0 12 0 7 | 102 4 32 51 0 6 0 3 |
| 3680 | | Johnstown, PA MSA Cambria County Somerset County | 5 3 2 | 10 10 0 | 7 6 1 | 9 4 5 | 16 11 5 | 13 9 4 | 12 6 6 |
| 3700 | | Jonesboro, AR MSA Craighead County | 3 3 | 3 3 | 7 7 | 3 3 | 3 3 | 2 2 | 6 6 |
| 3710 | | Joplin, MO MSA Jasper County Newton County | 18 14 4 | 15 10 5 | 14 11 3 | 12 7 5 | 13 8 5 | 11 7 4 | 22 14 8 |
| 3720 | | Kalamazoo-Battle Creek, MI MSA Calhoun County Kalamazoo County Van Buren County | 105 25 72 8 | 95 20 70 5 | 122 28 90 4 | 131 31 96 4 | 116 25 79 12 | 109 22 81 6 | 126 17 95 14 |
| 3740 | | Kankakee, IL PMSA (See Chicago-Gary-Kenosha, IL-IN-WI CMSA) | 5 | 7 | 9 | 10 | 8 | 11 | 5 |
| 3760 | | Kansas City, MO-KS MSA Johnson County, KS Leavenworth County, KS Miami County, KS <i>(continued)</i> | 156 68 1 2 | 169 76 3 3 | 181 87 4 0 | 153 69 1 5 | 163 81 3 2 | 181 87 2 4 | 195 92 1 4 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 3760 | | Kansas City, MO-KS MSA <i>(continued)</i> | | | | | | | |
| | | Wyandotte County, KS | 9 | 4 | 6 | 2 | 4 | 5 | 11 |
| | | Cass County, MO | 18 | 16 | 17 | 16 | 16 | 18 | 20 |
| | | Clay County, MO | 16 | 25 | 18 | 18 | 13 | 20 | 20 |
| | | Clinton County, MO | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| | | Jackson County, MO | 29 | 26 | 31 | 28 | 28 | 28 | 31 |
| | | Lafayette County, MO | 1 | 1 | 5 | 2 | 2 | 1 | 1 |
| | | Platte County, MO | 10 | 15 | 13 | 11 | 13 | 14 | 14 |
| | | Ray County, MO | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| 3800 | | Kenosha, WI PMSA (See Chicago-Gary-Kenosha, IL-IN-WI CMSA) | 27 | 21 | 14 | 43 | 20 | 43 | 30 |
| 3810 | | Killeen-Temple, TX MSA | 3 | 7 | 7 | 9 | 11 | 5 | 9 |
| | | Bell County | 3 | 6 | 7 | 8 | 10 | 4 | 7 |
| | | Coryell County | 0 | 1 | 0 | 1 | 1 | 1 | 2 |
| 3840 | | Knoxville, TN MSA | 111 | 106 | 86 | 102 | 108 | 127 | 138 |
| | | Anderson County | 12 | 14 | 16 | 21 | 24 | 19 | 19 |
| | | Blount County | 11 | 13 | 4 | 6 | 8 | 12 | 11 |
| | | Knox County | 81 | 69 | 57 | 65 | 68 | 81 | 93 |
| | | Loudon County | 3 | 9 | 4 | 3 | 6 | 5 | 7 |
| | | Sevier County | 4 | 1 | 5 | 6 | 1 | 10 | 8 |
| | | Union County | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 3850 | | Kokomo, IN MSA | 28 | 34 | 39 | 24 | 34 | 52 | 68 |
| | | Howard County | 27 | 31 | 32 | 22 | 31 | 50 | 63 |
| | | Tipton County | 1 | 3 | 7 | 2 | 3 | 2 | 5 |
| 3870 | | La Crosse, WI-MN MSA | 11 | 23 | 13 | 23 | 14 | 14 | 26 |
| | | Houston County, MN | 3 | 6 | 1 | 4 | 3 | 2 | 3 |
| | | La Crosse County, WI | 8 | 17 | 12 | 19 | 11 | 12 | 23 |
| 3880 | | Lafayette, LA MSA | 40 | 42 | 33 | 34 | 32 | 38 | 45 |
| | | Acadia Parish | 2 | 3 | 2 | 3 | 3 | 1 | 4 |
| | | Lafayette Parish | 31 | 33 | 26 | 27 | 23 | 31 | 31 |
| | | St. Landry Parish | 2 | 1 | 2 | 2 | 3 | 2 | 2 |
| | | St. Martin Parish | 5 | 5 | 3 | 2 | 3 | 4 | 8 |
| 3920 | | Lafayette, IN MSA | 50 | 46 | 34 | 42 | 59 | 60 | 59 |
| | | Clinton County | 0 | 3 | 0 | 1 | 1 | 1 | 4 |
| | | Tippecanoe County | 50 | 43 | 34 | 41 | 58 | 59 | 55 |
| 3960 | | Lake Charles, LA MSA | 12 | 13 | 13 | 11 | 15 | 12 | 10 |
| | | Calcasieu Parish | 12 | 13 | 13 | 11 | 15 | 12 | 10 |
| 3980 | | Lakeland-Winter Haven, FL MSA | 24 | 34 | 27 | 28 | 35 | 26 | 28 |
| | | Polk County | 24 | 34 | 27 | 28 | 35 | 26 | 28 |
| 4000 | | Lancaster, PA MSA | 114 | 116 | 114 | 86 | 93 | 93 | 115 |
| | | Lancaster County | 114 | 116 | 114 | 86 | 93 | 93 | 115 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 4040 | | Lansing-East Lansing, MI MSA | 44 | 48 | 75 | 57 | 51 | 62 | 84 |
| | | Clinton County | 2 | 1 | 3 | 8 | 5 | 5 | 7 |
| | | Eaton County | 14 | 18 | 15 | 8 | 9 | 13 | 16 |
| | | Ingham County | 28 | 29 | 57 | 41 | 37 | 44 | 61 |
| 4080 | | Laredo, TX MSA | 1 | 2 | 1 | 1 | 4 | 1 | 1 |
| | | Webb County | 1 | 2 | 1 | 1 | 4 | 1 | 1 |
| 4100 | | Las Cruces, NM MSA | 9 | 16 | 12 | 19 | 15 | 3 | 9 |
| | | Dona Ana County | 9 | 16 | 12 | 19 | 15 | 3 | 9 |
| 4120 | | Las Vegas, NV-AZ MSA | 49 | 75 | 75 | 70 | 87 | 82 | 107 |
| | | Mohave County, AZ | 5 | 8 | 5 | 4 | 6 | 5 | 5 |
| | | Clark County, NV | 44 | 67 | 68 | 64 | 79 | 73 | 102 |
| | | Nye County, NV | 0 | 0 | 2 | 2 | 2 | 4 | 0 |
| 4150 | | Lawrence, KS MSA | 19 | 13 | 18 | 23 | 16 | 10 | 17 |
| | | Douglas County | 19 | 13 | 18 | 23 | 16 | 10 | 17 |
| 4160 | | Lawrence, MA-NH PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 4200 | | Lawton, OK MSA | 2 | 2 | 3 | 0 | 10 | 5 | 3 |
| | | Comanche County | 2 | 2 | 3 | 0 | 10 | 5 | 3 |
| 4240 | | Lewiston-Auburn, ME MSA | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | Androscoggin County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 4243 | | Lewiston-Auburn, ME NECMA | 9 | 5 | 8 | 7 | 3 | 4 | 5 |
| | | Androscoggin County | 9 | 5 | 8 | 7 | 3 | 4 | 5 |
| 4280 | | Lexington, KY MSA | 59 | 72 | 72 | 68 | 80 | 68 | 99 |
| | | Bourbon County | 0 | 1 | 2 | 0 | 1 | 1 | 1 |
| | | Clark County | 4 | 3 | 0 | 7 | 3 | 0 | 3 |
| | | Fayette County | 38 | 49 | 54 | 45 | 50 | 45 | 75 |
| | | Jessamine County | 6 | 6 | 5 | 7 | 4 | 7 | 6 |
| | | Madison County | 3 | 5 | 1 | 2 | 5 | 4 | 4 |
| | | Scott County | 4 | 0 | 3 | 2 | 6 | 4 | 4 |
| | | Woodford County | 4 | 8 | 7 | 5 | 11 | 7 | 6 |
| 4320 | | Lima, OH MSA | 32 | 29 | 15 | 23 | 11 | 9 | 5 |
| | | Allen County | 18 | 14 | 8 | 12 | 3 | 4 | 0 |
| | | Auglaize County | 14 | 15 | 7 | 11 | 8 | 5 | 5 |
| 4360 | | Lincoln, NE MSA | 37 | 41 | 34 | 47 | 48 | 38 | 44 |
| | | Lancaster County | 37 | 41 | 34 | 47 | 48 | 38 | 44 |
| 4400 | | Little Rock-North Little Rock, AR MSA | 40 | 28 | 31 | 30 | 36 | 22 | 34 |
| | | Faulkner County | 3 | 1 | 5 | 3 | 4 | 4 | 6 |
| | | Lonoke County | 1 | 0 | 0 | 6 | 4 | 0 | 3 |
| | | Pulaski County | 31 | 25 | 23 | 18 | 23 | 15 | 21 |
| | | Saline County | 5 | 2 | 3 | 3 | 5 | 3 | 4 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 4420 | | Longview-Marshall, TX MSA Gregg County Harrison County Upshur County | 26 | 27 | 24 | 23 | 24 | 28 | 26 |
| | | | 12 | 12 | 12 | 9 | 9 | 12 | 8 |
| | | | 13 | 13 | 10 | 10 | 14 | 15 | 16 |
| | | | 1 | 2 | 2 | 4 | 1 | 1 | 2 |
| 4472 | | Los Angeles-Riverside-Orange County, CA CMSA 4480 Los Angeles-Long Beach, CA PMSA, Los Angeles County 5945 Orange County, CA PMSA Orange County 6780 Riverside-San Bernardino, CA PMSA Riverside County San Bernardino County 8735 Ventura, CA PMSA Ventura County | 2906 | 3235 | 3171 | 3158 | 3493 | 3291 | 3369 |
| | | | 1586 | 1804 | 1649 | 1646 | 1875 | 1710 | 1777 |
| | | | 1586 | 1804 | 1649 | 1646 | 1875 | 1710 | 1777 |
| | | | 891 | 965 | 1032 | 1017 | 1112 | 1055 | 1084 |
| | | | 891 | 965 | 1032 | 1017 | 1112 | 1055 | 1084 |
| | | | 195 | 238 | 254 | 270 | 226 | 266 | 258 |
| | | | 87 | 107 | 109 | 111 | 110 | 117 | 113 |
| | | | 108 | 131 | 145 | 159 | 116 | 149 | 145 |
| | | | 234 | 228 | 236 | 225 | 280 | 260 | 250 |
| | | | 234 | 228 | 236 | 225 | 280 | 260 | 250 |
| 4480 | | Los Angeles-Long Beach, CA PMSA (See Los Angeles-Riverside-Orange County, CA CMSA) | 1586 | 1804 | 1649 | 1646 | 1875 | 1710 | 1777 |
| 4520 | | Louisville, KY-IN MSA Clark County, IN Floyd County, IN Harrison County, IN Scott County, IN Bullitt County, KY Jefferson County, KY Oldham County, KY | 142 | 135 | 99 | 126 | 106 | 102 | 113 |
| | | | 9 | 7 | 7 | 8 | 7 | 7 | 10 |
| | | | 6 | 3 | 8 | 7 | 9 | 2 | 5 |
| | | | 1 | 0 | 1 | 1 | 5 | 5 | 0 |
| | | | 0 | 2 | 1 | 0 | 0 | 1 | 0 |
| | | | 2 | 3 | 4 | 1 | 5 | 1 | 4 |
| | | | 122 | 115 | 77 | 107 | 77 | 79 | 90 |
| | | | 2 | 5 | 1 | 2 | 3 | 7 | 4 |
| 4560 | | Lowell, MA-NH PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 4600 | | Lubbock, TX MSA Lubbock County | 21 | 24 | 14 | 15 | 21 | 24 | 25 |
| | | | 21 | 24 | 14 | 15 | 21 | 24 | 25 |
| 4640 | | Lynchburg, VA MSA Amherst County Bedford County Campbell County Bedford (city) Lynchburg (city) | 43 | 45 | 73 | 50 | 40 | 48 | 38 |
| | | | 0 | 3 | 0 | 0 | 1 | 2 | 3 |
| | | | 10 | 18 | 21 | 15 | 15 | 12 | 9 |
| | | | 1 | 3 | 4 | 3 | 2 | 3 | 1 |
| | | | 0 | 1 | 2 | 1 | 1 | 4 | 2 |
| | | | 32 | 20 | 46 | 31 | 21 | 27 | 23 |
| 4680 | | Macon, GA MSA Bibb County Houston County Jones County Peach County Twiggs County | 17 | 17 | 27 | 19 | 22 | 21 | 22 |
| | | | 7 | 8 | 10 | 6 | 9 | 8 | 7 |
| | | | 1 | 2 | 4 | 5 | 2 | 2 | 3 |
| | | | 8 | 6 | 11 | 6 | 10 | 8 | 7 |
| | | | 1 | 1 | 2 | 2 | 1 | 3 | 5 |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4720 | | Madison, WI MSA Dane County | 91 | 139 | 143 | 144 | 141 | 164 | 202 |
| | | | 91 | 139 | 143 | 144 | 141 | 164 | 202 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 4760 | | Manchester, NH PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 4800 | | Mansfield, OH MSA Crawford County Richland County | 15 3 12 | 16 1 15 | 10 1 9 | 17 2 15 | 30 4 26 | 13 1 12 | 19 3 16 |
| 4880 | | McAllen-Edinburg-Mission, TX MSA Hidalgo County | 0 0 | 2 2 | 2 2 | 7 7 | 5 5 | 3 3 | 3 3 |
| 4890 | | Medford-Ashland, OR MSA Jackson County | 11 11 | 21 21 | 24 24 | 21 21 | 27 27 | 30 30 | 17 17 |
| 4900 | | Melbourne-Titusville-Palm Bay, FL MSA Brevard County | 100 100 | 103 103 | 95 95 | 106 106 | 92 92 | 92 92 | 132 132 |
| 4920 | | Memphis, TN-AR-MS MSA Crittenden County, AR DeSoto County, MS Fayette County, TN Shelby County, TN Tipton County, TN | 89 0 7 1 81 0 | 79 1 0 0 77 1 | 103 2 4 1 95 1 | 85 0 2 1 81 1 | 104 0 4 1 97 2 | 102 1 3 1 93 4 | 142 1 9 0 131 1 |
| 4940 | | Merced, CA MSA Merced County | 2 2 | 6 6 | 9 9 | 6 6 | 4 4 | 5 5 | 4 4 |
| 4992 | 2680 | Miami-Fort Lauderdale, FL CMSA Fort Lauderdale, FL PMSA Broward County | 412 247 247 | 426 236 236 | 489 274 274 | 463 325 325 | 506 358 358 | 554 347 347 | 534 347 347 |
| | 5000 | Miami, FL PMSA Dade County | 165 165 | 190 190 | 215 215 | 189 189 | 181 181 | 196 196 | 187 187 |
| 5000 | | Miami, FL PMSA (See Miami-Fort Lauderdale, FL CMSA) | 165 | 190 | 215 | 189 | 181 | 196 | 187 |
| 5015 | | Middlesex-Somerset-Hunterdon, NJ PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 702 | 764 | 733 | 792 | 752 | 689 | 827 |
| 5080 | | Milwaukee-Waukesha, WI PMSA (See Milwaukee-Racine, WI CMSA) | 411 | 382 | 385 | 413 | 462 | 451 | 446 |
| 5082 | 5080 | Milwaukee-Racine, WI CMSA Milwaukee-Waukesha, WI PMSA Milwaukee County Ozaukee County Washington County Waukesha County | 472 411 126 51 66 168 | 435 382 97 36 48 201 | 448 385 111 47 49 178 | 451 413 124 41 57 191 | 517 462 104 72 66 220 | 500 451 126 55 61 209 | 496 446 146 45 45 210 |
| | 6600 | Racine, WI PMSA Racine County | 61 61 | 53 53 | 63 63 | 38 38 | 55 55 | 49 49 | 50 50 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 5120 | | Minneapolis-St. Paul, MN-WI MSA | 1154 | 1167 | 1222 | 1358 | 1513 | 1445 | 1538 |
| | | Anoka County, MN | 61 | 68 | 64 | 84 | 112 | 85 | 84 |
| | | Carver County, MN | 15 | 12 | 13 | 25 | 26 | 18 | 21 |
| | | Chisago County, MN | 5 | 7 | 6 | 5 | 10 | 7 | 7 |
| | | Dakota County, MN | 99 | 93 | 83 | 124 | 117 | 139 | 141 |
| | | Hennepin County, MN | 492 | 471 | 494 | 526 | 569 | 487 | 569 |
| | | Isanti County, MN | 6 | 5 | 6 | 3 | 2 | 3 | 3 |
| | | Ramsey County, MN | 288 | 304 | 311 | 298 | 331 | 326 | 319 |
| | | Scott County, MN | 16 | 28 | 31 | 21 | 27 | 30 | 31 |
| | | Sherburne County, MN | 5 | 7 | 16 | 15 | 7 | 12 | 12 |
| | | Washington County, MN | 117 | 121 | 144 | 183 | 241 | 272 | 275 |
| | | Wright County, MN | 15 | 22 | 19 | 21 | 22 | 11 | 9 |
| | | Pierce County, WI | 7 | 6 | 4 | 9 | 12 | 14 | 13 |
| | | St. Croix County, WI | 28 | 23 | 31 | 44 | 37 | 41 | 54 |
| 5160 | | Mobile, AL MSA | 34 | 43 | 28 | 38 | 31 | 29 | 29 |
| | | Baldwin County | 5 | 10 | 4 | 10 | 12 | 6 | 5 |
| | | Mobile County | 29 | 33 | 24 | 28 | 19 | 23 | 24 |
| 5170 | | Modesto, CA MSA | 28 | 31 | 31 | 27 | 37 | 36 | 30 |
| | | Stanislaus County | 28 | 31 | 31 | 27 | 37 | 36 | 30 |
| 5190 | | Monmouth-Ocean, NJ PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 298 | 333 | 351 | 358 | 374 | 401 | 444 |
| | | | | | | | | | |
| 5200 | | Monroe, LA MSA | 16 | 14 | 15 | 11 | 14 | 6 | 15 |
| | | Ouachita Parish | 16 | 14 | 15 | 11 | 14 | 6 | 15 |
| 5240 | | Montgomery, AL MSA | 15 | 10 | 19 | 15 | 13 | 17 | 17 |
| | | Autauga County | 2 | 0 | 1 | 0 | 1 | 1 | 2 |
| | | Elmore County | 6 | 2 | 6 | 4 | 1 | 3 | 4 |
| | | Montgomery County | 7 | 8 | 12 | 11 | 11 | 13 | 11 |
| 5280 | | Muncie, IN MSA | 7 | 8 | 4 | 11 | 12 | 16 | 14 |
| | | Delaware County | 7 | 8 | 4 | 11 | 12 | 16 | 14 |
| 5330 | | Myrtle Beach, SC MSA | 11 | 5 | 6 | 8 | 9 | 9 | 14 |
| | | Horry County | 11 | 5 | 6 | 8 | 9 | 9 | 14 |
| 5345 | | Naples, FL MSA | 22 | 22 | 29 | 24 | 26 | 37 | 30 |
| | | Collier County | 22 | 22 | 29 | 24 | 26 | 37 | 30 |
| 5350 | | Nashua, NH PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | | | | | | | | |
| 5360 | | Nashville, TN MSA | 78 | 96 | 92 | 89 | 106 | 133 | 99 |
| | | Cheatham County | 2 | 2 | 3 | 1 | 3 | 3 | 0 |
| | | Davidson County | 46 | 38 | 35 | 48 | 53 | 52 | 49 |
| | | Dickson County | 1 | 2 | 2 | 1 | 1 | 3 | 2 |
| | | Robertson County | 1 | 2 | 2 | 2 | 7 | 6 | 2 |
| | | Rutherford County | 10 | 14 | 10 | 10 | 7 | 18 | 9 |
| | | (continued) | | | | | | | |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|--|--|--|--|--|---|--|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 5360 | | Nashville, TN MSA <i>(continued)</i> Sumner County Williamson County Wilson County | 4 9 5 | 9 22 7 | 8 28 4 | 5 21 1 | 14 18 3 | 14 33 4 | 14 18 5 |
| 5380 | | Nassau-Suffolk, NY PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 575 | 558 | 518 | 460 | 560 | 572 | 657 |
| 5400 | | New Bedford, MA PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 5480 | | New Haven-Meriden, CT PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 5483 | | New Haven-Bridgeport-Stamford-Danbury-Waterbury, CT NECMA Fairfield County New Haven County | 770 495 275 | 786 489 297 | 841 528 313 | 884 560 324 | 925 597 328 | 908 562 346 | 852 555 297 |
| 5520 | | New London-Norwich, CT-RI MSA Middlesex County, CT (part) New London County, CT (part) Windham County, CT (part) Washington County, RI (part) | n.a. n.a. n.a. n.a. n.a. | n.a. n.a. n.a. n.a. n.a. | n.a. n.a. n.a. n.a. n.a. | n.a. n.a. n.a. n.a. n.a. | n.a. n.a. n.a. n.a. n.a. | n.a. n.a. n.a. n.a. n.a. | |
| 5523 | | New London-Norwich, CT NECMA New London County | 90 90 | 104 104 | 95 95 | 106 106 | 100 100 | 118 118 | 109 109 |
| 5560 | | New Orleans, LA MSA Jefferson Parish Orleans Parish Plaquemines Parish St. Bernard Parish St. Charles Parish St. James Parish St. John the Baptist Parish St. Tammany Parish | 119 43 52 2 1 0 0 2 19 | 115 40 48 1 3 4 0 4 15 | 146 44 58 4 3 4 0 3 30 | 127 54 41 1 2 4 0 7 18 | 102 54 32 2 1 2 0 1 10 | 95 35 34 1 1 5 0 1 18 | 135 57 44 3 3 4 0 5 19 |
| 5600 | | New York, NY PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 1084 | 1178 | 1072 | 1132 | 1192 | 1131 | 1269 |
| 5602 | | New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA Bergen-Passaic, NJ PMSA Bergen County Passaic County | 5341 333 241 92 | 5559 355 269 86 | 5411 355 260 95 | 5520 348 272 76 | 5786 362 290 72 | 5585 359 289 70 | 6160 406 306 100 |
| | 0875 | Bridgeport, CT PMSA; Danbury, CT PMSA; New Haven-Meriden, CT PMSA; Stamford-Norwalk, CT PMSA; and Waterbury, CT PMSA <i>(continued)</i> | 930 | 926 | 990 | 1023 | 1096 | 1053 | 1010 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|--|----------------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 5602 | See note below | New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA Bridgeport, CT PMSA; Danbury, CT PMSA; New Haven-Meriden, CT PMSA; Stamford-Norwalk, CT PMSA; and Waterbury, CT PMSA <i>(continued)</i> Fairfield County Litchfield County (part) Middlesex County (part) New Haven County | 495 | 489 | 528 | 560 | 597 | 562 | 555 |
| | | | 92 | 80 | 90 | 81 | 98 | 82 | 102 |
| | | | 68 | 60 | 59 | 58 | 73 | 63 | 56 |
| | | | 275 | 297 | 313 | 324 | 328 | 346 | 297 |
| 2281 | | Dutchess County, NY PMSA Dutchess County | 110 | 123 | 165 | 212 | 234 | 237 | 290 |
| 3640 | | Jersey City, NJ PMSA Hudson County | 45 | 47 | 41 | 34 | 41 | 30 | 45 |
| 5015 | | Middlesex-Somerset-Hunterdon, NJ PMSA Hunterdon County Middlesex County Somerset County | 702 | 764 | 733 | 792 | 752 | 689 | 827 |
| | | | 145 | 147 | 135 | 150 | 153 | 152 | 160 |
| | | | 234 | 302 | 305 | 316 | 294 | 273 | 296 |
| | | | 323 | 315 | 293 | 326 | 305 | 264 | 371 |
| 5190 | | Monmouth-Ocean, NJ PMSA Monmouth County Ocean County | 298 | 333 | 351 | 358 | 374 | 401 | 444 |
| | | | 252 | 288 | 299 | 310 | 313 | 354 | 398 |
| 5380 | | Nassau-Suffolk, NY PMSA Nassau County Suffolk County | 575 | 558 | 518 | 460 | 560 | 572 | 657 |
| | | | 310 | 301 | 251 | 214 | 249 | 261 | 300 |
| | | | 265 | 257 | 267 | 246 | 311 | 311 | 357 |
| 5600 | | New York, NY PMSA Bronx County Kings County New York County Putnam County Queens County Richmond County Rockland County Westchester County | 1084 | 1178 | 1072 | 1132 | 1192 | 1131 | 1269 |
| | | | 47 | 43 | 34 | 37 | 38 | 37 | 36 |
| | | | 113 | 110 | 81 | 99 | 96 | 82 | 100 |
| | | | 295 | 338 | 305 | 334 | 357 | 328 | 380 |
| | | | 44 | 48 | 59 | 57 | 49 | 52 | 53 |
| | | | 106 | 111 | 116 | 97 | 91 | 108 | 89 |
| | | | 25 | 38 | 26 | 27 | 22 | 29 | 26 |
| | | | 109 | 121 | 85 | 98 | 116 | 91 | 118 |
| | | | 345 | 369 | 366 | 383 | 423 | 404 | 467 |
| 5640 | | Newark, NJ PMSA Essex County Morris County Sussex County Union County Warren County | 837 | 857 | 795 | 762 | 793 | 747 | 792 |
| | | | 169 | 165 | 138 | 143 | 151 | 179 | 140 |
| | | | 352 | 365 | 364 | 308 | 331 | 282 | 322 |
| | | | 43 | 40 | 40 | 37 | 48 | 35 | 42 |
| | | | 245 | 256 | 222 | 249 | 244 | 227 | 253 |
| | | | 28 | 31 | 31 | 25 | 19 | 24 | 35 |
| 5660 | | Newburgh, NY-PA PMSA Orange County, NY Pike County, PA | 49 | 37 | 46 | 58 | 47 | 66 | 75 |
| | | | 48 | 37 | 42 | 57 | 44 | 63 | 70 |
| | | | 1 | 0 | 4 | 1 | 3 | 3 | 5 |
| 8480 | | Trenton, NJ PMSA Mercer County | 378 | 381 | 345 | 341 | 335 | 300 | 345 |
| | | | 378 | 381 | 345 | 341 | 335 | 300 | 345 |
| <i>(Note: separate patent counts are not available for the Bridgeport, Danbury, New Haven-Meriden, Stamford-Norwalk, and Waterbury PMSAs in Connecticut. However, all of Fairfield and New Haven counties are within these PMSAs. Patent counts for Litchfield and Middlesex counties are county totals, but only parts of these counties are within the New York-Northern New Jersey, Long Island, NY-NJ-CT-PA CMSA.)</i> | | | | | | | | | |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|--|---|--|---|---|---|--|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 5640 | | Newark, NJ PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 837 | 857 | 795 | 762 | 793 | 747 | 792 |
| 5660 | | Newburgh, NY-PA PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 49 | 37 | 46 | 58 | 47 | 66 | 75 |
| 5720 | | Norfolk-Virginia Beach-Newport News, VA-NC MSA Currituck County, NC Gloucester County, VA Isle of Wight County, VA James City County, VA Mathews County, VA York County, VA Chesapeake (city), VA Hampton (city), VA Newport News (city), VA Norfolk (city), VA Poquoson (city), VA Suffolk (city), VA Virginia Beach (city), VA Williamsburg (city), VA | 112 1 2 1 0 1 18 9 8 | 122 0 4 0 1 0 16 5 14 34 11 1 2 27 7 9 10 20 | 142 0 9 0 0 1 23 4 9 34 14 8 5 24 12 13 23 16 | 153 0 3 0 0 1 33 4 12 24 11 8 0 24 11 11 23 17 | 126 0 6 2 0 3 16 6 13 24 10 8 0 24 10 10 21 17 | 111 0 1 1 0 0 17 6 13 24 11 6 2 22 10 10 18 12 | 126 0 1 5 0 0 23 7 8 24 11 6 0 22 10 10 18 17 |
| 5775 | | Oakland, CA PMSA (See San Francisco-Oakland-San Jose, CA CMSA) | 629 | 634 | 717 | 732 | 802 | 821 | 916 |
| 5790 | | Ocala, FL MSA Marion County | 15 15 | 18 18 | 24 24 | 14 14 | 24 24 | 19 19 | 18 18 |
| 5800 | | Odessa-Midland, TX MSA Ector County Midland County | 15 5 10 | 16 6 10 | 12 2 10 | 18 5 13 | 28 7 21 | 19 6 13 | 21 7 14 |
| 5880 | | Oklahoma City, OK MSA Canadian County Cleveland County Logan County McClain County Oklahoma County Pottawatomie County | 102 19 30 0 11 | 104 26 18 0 12 33 15 | 120 25 31 0 13 36 15 | 122 20 31 2 13 36 20 | 103 14 33 0 8 34 14 | 113 15 34 3 8 30 17 | 120 18 34 2 12 40 14 |
| 5910 | | Olympia, WA PMSA (See Seattle-Tacoma-Bremerton, WA CMSA) | 5 | 8 | 5 | 3 | 8 | 11 | 9 |
| 5920 | | Omaha, NE-IA MSA Pottawattamie County, IA Cass County, NE Douglas County, NE Sarpy County, NE Washington County, NE | 55 6 0 44 1 4 | 74 13 0 56 3 2 | 61 6 0 52 2 1 | 67 1 0 57 8 1 | 57 2 2 45 8 0 | 68 7 1 55 4 1 | 69 6 1 56 6 0 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 5945 | | Orange County, CA PMSA (See Los Angeles-Riverside-Orange County, CA CMSA) | 891 | 965 | 1032 | 1017 | 1112 | 1055 | 1084 |
| 5960 | | Orlando, FL MSA Lake County Orange County Osceola County Seminole County | 196 | 181 | 187 | 167 | 152 | 161 | 169 |
| | | | 11 | 12 | 10 | 10 | 13 | 10 | 11 |
| | | | 96 | 105 | 84 | 77 | 84 | 89 | 95 |
| | | | 6 | 7 | 6 | 11 | 10 | 6 | 4 |
| | | | 83 | 57 | 87 | 69 | 45 | 56 | 59 |
| 5990 | | Owensboro, KY MSA Daviess County | 4 | 4 | 4 | 1 | 8 | 4 | 4 |
| | | | 4 | 4 | 4 | 1 | 8 | 4 | 4 |
| 6015 | | Panama City, FL MSA Bay County | 31 | 19 | 11 | 10 | 15 | 13 | 17 |
| | | | 31 | 19 | 11 | 10 | 15 | 13 | 17 |
| 6020 | | Parkersburg-Marietta, WV-OH MSA Washington County, OH Wood County, WV | 30 | 43 | 32 | 24 | 30 | 34 | 24 |
| | | | 7 | 6 | 14 | 6 | 11 | 11 | 5 |
| | | | 23 | 37 | 18 | 18 | 19 | 23 | 19 |
| 6080 | | Pensacola, FL MSA Escambia County Santa Rosa County | 30 | 30 | 18 | 32 | 22 | 27 | 29 |
| | | | 25 | 23 | 11 | 22 | 16 | 20 | 22 |
| | | | 5 | 7 | 7 | 10 | 6 | 7 | 7 |
| 6120 | | Peoria-Pekin, IL MSA Peoria County Tazewell County Woodford County | 65 | 81 | 73 | 105 | 104 | 131 | 172 |
| | | | 39 | 53 | 54 | 82 | 77 | 100 | 114 |
| | | | 23 | 25 | 10 | 12 | 21 | 19 | 43 |
| | | | 3 | 3 | 9 | 11 | 6 | 12 | 15 |
| 6160 | | Philadelphia, PA-NJ PMSA (See Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA) | 1212 | 1250 | 1252 | 1370 | 1426 | 1352 | 1512 |
| 6162 | | Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA | 1636 | 1792 | 1797 | 1911 | 1895 | 1811 | 2018 |
| | 0560 | Atlantic-Cape May, NJ PMSA Atlantic County Cape May County | 17 | 26 | 19 | 29 | 29 | 28 | 31 |
| | | | 8 | 8 | 9 | 13 | 14 | 14 | 15 |
| | | | 9 | 18 | 10 | 16 | 15 | 14 | 16 |
| | 6160 | Philadelphia, PA-NJ PMSA Burlington County, NJ Camden County, NJ Gloucester County, NJ Salem County, NJ Bucks County, PA Chester County, PA Delaware County, PA Montgomery County, PA Philadelphia County, PA | 1212 | 1250 | 1252 | 1370 | 1426 | 1352 | 1512 |
| | | | 54 | 89 | 69 | 89 | 100 | 85 | 79 |
| | | | 96 | 79 | 90 | 90 | 73 | 55 | 80 |
| | | | 61 | 80 | 59 | 56 | 56 | 52 | 28 |
| | | | 7 | 6 | 7 | 7 | 6 | 5 | 10 |
| | | | 257 | 230 | 260 | 299 | 348 | 286 | 298 |
| | | | 181 | 192 | 224 | 235 | 250 | 259 | 300 |
| | | | 148 | 163 | 127 | 145 | 153 | 143 | 198 |
| | | | 312 | 333 | 309 | 350 | 361 | 374 | 423 |
| | | | 96 | 78 | 107 | 99 | 79 | 93 | 96 |
| 8760 | | Vineland-Millville-Bridgeton, NJ PMSA Cumberland County | 4 | 9 | 6 | 7 | 8 | 5 | 5 |
| | | | 4 | 9 | 6 | 7 | 8 | 5 | 5 |
| 9160 | | Wilmington-Newark, DE-MD PMSA New Castle County, DE Cecil County, MD | 403 | 507 | 520 | 505 | 432 | 426 | 470 |
| | | | 389 | 487 | 492 | 480 | 412 | 403 | 436 |
| | | | 14 | 20 | 28 | 25 | 20 | 23 | 34 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | | |
|------------------|------|--|------------------------------|---|---|--|---|--|---|---|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | |
| 6200 | | Phoenix-Mesa, AZ MSA Maricopa County Pinal County | 493 484 9 | 624 612 12 | 632 625 7 | 626 616 10 | 701 689 12 | 753 742 11 | 831 816 15 | |
| 6240 | | Pine Bluff, AR MSA Jefferson County | | 2 2 | 5 3 | 3 1 | 1 1 | 1 1 | 1 1 | |
| 6280 | | Pittsburgh, PA MSA Allegheny County Beaver County Butler County Fayette County Washington County Westmoreland County | | 741 503 21 38 5 25 149 | 715 480 21 27 7 25 155 | 658 438 16 19 9 32 144 | 655 427 23 23 5 31 146 | 697 458 23 32 12 26 146 | 573 357 24 32 11 28 121 | 633 405 12 39 7 31 139 |
| 6320 | | Pittsfield, MA MSA Berkshire County (part) | | n.a. n.a. | n.a. n.a. | n.a. n.a. | n.a. n.a. | n.a. n.a. | n.a. n.a. | |
| 6323 | | Pittsfield, MA NECMA Berkshire County | | 35 35 | 49 49 | 34 34 | 34 34 | 23 23 | 12 12 | 28 28 |
| 6340 | | Pocatello, ID MSA Bannock | | 2 2 | 3 3 | 3 3 | 3 3 | 4 4 | 2 2 | 2 2 |
| 6400 | | Portland, ME MSA Cumberland County, (part) York County, (part) | | n.a. n.a. n.a. | n.a. n.a. n.a. | n.a. n.a. n.a. | n.a. n.a. n.a. | n.a. n.a. n.a. | n.a. n.a. n.a. | |
| 6403 | | Portland, ME NECMA Cumberland County | | 35 35 | 28 28 | 35 35 | 48 48 | 42 42 | 31 31 | 33 33 |
| 6440 | | Portland-Vancouver, OR-WA PMSA (See Portland-Salem, OR-WA CMSA) | | 384 | 380 | 341 | 424 | 394 | 532 | 574 |
| 6442 | 6440 | Portland-Salem, OR-WA CMSA Portland-Vancouver, OR-WA PMSA Clackamas County, OR Columbia County, OR Multnomah County, OR Washington County, OR Yamhill County, OR Clark County, WA | | 406 384 85 3 62 189 6 39 | 407 380 90 4 64 169 9 44 | 365 341 77 3 53 145 13 50 | 445 424 103 7 71 176 25 42 | 414 394 89 3 57 170 18 57 | 554 532 104 5 73 254 23 73 | 598 574 111 4 78 304 13 64 |
| | 7080 | Salem, OR PMSA Marion County Polk County | | 22 15 7 | 27 16 11 | 24 14 10 | 21 14 7 | 20 13 7 | 22 15 7 | 24 11 13 |
| 6450 | | Portsmouth-Rochester, NH-ME PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 6480 | | Providence-Fall River-Warwick, RI-MA-MSA Bristol County, MA (part) Bristol County, RI Kent County, RI (continued) | | n.a. n.a. 15 36 | n.a. n.a. 22 48 | n.a. n.a. 17 51 | n.a. n.a. 24 49 | n.a. n.a. 20 33 | n.a. n.a. 30 37 | n.a. n.a. 16 43 |
| 6480 | | Providence-Fall River-Warwick, RI-MA-MSA (continued) Newport County, RI (part) Providence County, RI Washington County, RI (part) | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| | | | | 62 | 75 | 68 | 70 | 82 | 57 | 72 |
| | | | | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|--------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metropoli-tan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 6483 | | Providence-Warwick-Pawtucket, RI NECMA | 129 | 173 | 171 | 183 | 173 | 162 | 177 |
| | | Bristol County | 15 | 22 | 17 | 24 | 20 | 30 | 16 |
| | | Kent County | 36 | 48 | 51 | 49 | 33 | 37 | 43 |
| | | Providence County | 62 | 75 | 68 | 70 | 82 | 57 | 72 |
| | | Washington County | 16 | 28 | 35 | 40 | 38 | 38 | 46 |
| 6520 | | Provo-Orem, UT MSA | 47 | 46 | 58 | 51 | 47 | 53 | 52 |
| | | Utah County | 47 | 46 | 58 | 51 | 47 | 53 | 52 |
| 6560 | | Pueblo, CO MSA | 3 | 11 | 5 | 8 | 7 | 6 | 6 |
| | | Pueblo County | 3 | 11 | 5 | 8 | 7 | 6 | 6 |
| 6580 | | Punta Gorda, FL MSA | 12 | 14 | 18 | 14 | 13 | 5 | 25 |
| | | Charlotte County | 12 | 14 | 18 | 14 | 13 | 5 | 25 |
| 6600 | | Racine, WI PMSA | 61 | 53 | 63 | 38 | 55 | 49 | 50 |
| | | (See Milwaukee-Racine, WI CMSA) | | | | | | | |
| 6640 | | Raleigh-Durham-Chapel Hill, NC MSA | 233 | 294 | 303 | 344 | 399 | 399 | 493 |
| | | Chatham County | 4 | 4 | 4 | 2 | 4 | 3 | 9 |
| | | Durham County | 39 | 45 | 52 | 63 | 68 | 63 | 82 |
| | | Franklin County | 1 | 1 | 2 | 1 | 1 | 2 | 2 |
| | | Johnston County | 1 | 3 | 2 | 1 | 4 | 2 | 7 |
| | | Orange County | 39 | 49 | 56 | 71 | 77 | 70 | 90 |
| | | Wake County | 149 | 192 | 187 | 206 | 245 | 259 | 303 |
| 6660 | | Rapid City, SD MSA | 6 | 1 | 8 | 3 | 10 | 6 | 6 |
| | | Pennington County | 6 | 1 | 8 | 3 | 10 | 6 | 6 |
| 6680 | | Reading, PA MSA | 40 | 61 | 55 | 59 | 62 | 61 | 59 |
| | | Berks County | 40 | 61 | 55 | 59 | 62 | 61 | 59 |
| 6690 | | Redding, CA MSA | 7 | 7 | 10 | 9 | 14 | 13 | 14 |
| | | Shasta County | 7 | 7 | 10 | 9 | 14 | 13 | 14 |
| 6720 | | Reno, NV MSA | 41 | 73 | 50 | 46 | 61 | 59 | 68 |
| | | Washoe County | 41 | 73 | 50 | 46 | 61 | 59 | 68 |
| 6740 | | Richland-Kennewick-Pasco, WA MSA | 40 | 31 | 44 | 43 | 35 | 40 | 39 |
| | | Benton County | 36 | 31 | 40 | 40 | 29 | 33 | 36 |
| | | Franklin County | 4 | 0 | 4 | 3 | 6 | 7 | 3 |
| 6760 | | Richmond-Petersburg, VA MSA | 133 | 174 | 189 | 184 | 150 | 132 | 143 |
| | | Charles City County | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Chesterfield County | 34 | 43 | 50 | 60 | 54 | 45 | 48 |
| | | Dinwiddie County | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | Goochland County | 5 | 0 | 2 | 6 | 5 | 2 | 2 |
| <i>(continued)</i> | | | | | | | | | |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 6760 | | Richmond-Petersburg, VA MSA <i>(continued)</i> | | | | | | | |
| | | Hanover County | 7 | 13 | 13 | 14 | 5 | 8 | 11 |
| | | Henrico County | 0 | 7 | 7 | 9 | 7 | 5 | 3 |
| | | New Kent County | 2 | 1 | 2 | 4 | 3 | 0 | 1 |
| | | Powhatan County | 5 | 2 | 1 | 4 | 5 | 3 | 4 |
| | | Prince George County | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| | | Colonial Heights (city) | 2 | 3 | 3 | 3 | 0 | 0 | 0 |
| | | Hopewell (city) | 3 | 5 | 6 | 3 | 3 | 2 | 3 |
| | | Petersburg (city) | 3 | 2 | 1 | 1 | 0 | 1 | 0 |
| | | Richmond (city) | 72 | 98 | 104 | 78 | 67 | 65 | 70 |
| 6780 | | Riverside-San Bernardino, CA PMSA (See Los Angeles-Riverside-Orange County, CA CMSA) | 195 | 238 | 254 | 270 | 226 | 266 | 258 |
| 6800 | | Roanoke, VA MSA | 30 | 42 | 44 | 52 | 59 | 38 | 32 |
| | | Botetourt County | 2 | 1 | 3 | 10 | 13 | 6 | 5 |
| | | Roanoke County | 0 | 0 | 1 | 1 | 1 | 2 | 1 |
| | | Roanoke (city) | 22 | 29 | 26 | 31 | 38 | 22 | 19 |
| | | Salem (city) | 6 | 12 | 14 | 10 | 7 | 8 | 7 |
| 6820 | | Rochester, MN MSA | 51 | 37 | 38 | 64 | 85 | 77 | 102 |
| | | Olmsted County | 51 | 37 | 38 | 64 | 85 | 77 | 102 |
| 6840 | | Rochester, NY MSA | 915 | 1168 | 1200 | 1392 | 1381 | 1227 | 1391 |
| | | Genesee County | 8 | 13 | 14 | 18 | 20 | 21 | 11 |
| | | Livingston County | 9 | 14 | 18 | 17 | 12 | 18 | 12 |
| | | Monroe County | 817 | 1040 | 1044 | 1244 | 1211 | 1076 | 1222 |
| | | Ontario County | 23 | 44 | 55 | 41 | 40 | 31 | 43 |
| | | Orleans County | 6 | 10 | 8 | 11 | 17 | 7 | 12 |
| | | Wayne County | 52 | 47 | 61 | 61 | 81 | 74 | 91 |
| 6880 | | Rockford, IL MSA | 169 | 197 | 135 | 94 | 102 | 91 | 110 |
| | | Boone County | 6 | 7 | 8 | 3 | 7 | 5 | 3 |
| | | Ogle County | 8 | 11 | 11 | 11 | 6 | 6 | 7 |
| | | Winnnebago County | 155 | 179 | 116 | 80 | 89 | 80 | 100 |
| 6895 | | Rocky Mount, NC MSA | 3 | 6 | 6 | 3 | 3 | 10 | 7 |
| | | Edgecombe County | 2 | 4 | 3 | 2 | 2 | 5 | 4 |
| | | Nash County | 1 | 2 | 3 | 1 | 1 | 5 | 3 |
| 6920 | | Sacramento, CA PMSA (See Sacramento-Yolo, CA CMSA) | 121 | 140 | 146 | 163 | 190 | 207 | 238 |
| 6922 | 6920 | Sacramento-Yolo, CA CMSA | 147 | 164 | 179 | 193 | 229 | 242 | 295 |
| | | Sacramento, CA PMSA | 121 | 140 | 146 | 163 | 190 | 207 | 238 |
| | | El Dorado County | 26 | 25 | 24 | 39 | 43 | 45 | 55 |
| | | Placer County | 27 | 29 | 26 | 22 | 37 | 45 | 42 |
| | | Sacramento County | 68 | 86 | 96 | 102 | 110 | 117 | 141 |
| | 9270 | Yolo, CA PMSA | 26 | 24 | 33 | 30 | 39 | 35 | 57 |
| | | Yolo County | 26 | 24 | 33 | 30 | 39 | 35 | 57 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 6960 | | Saginaw-Bay City-Midland, MI MSA | 318 | 327 | 340 | 280 | 280 | 261 | 277 |
| | | Bay County | 141 | 145 | 153 | 127 | 121 | 114 | 123 |
| | | Midland County | 135 | 146 | 147 | 123 | 112 | 110 | 113 |
| | | Saginaw County | 42 | 36 | 40 | 30 | 47 | 37 | 41 |
| 6980 | | St. Cloud, MN MSA | 7 | 11 | 8 | 10 | 12 | 9 | 12 |
| | | Benton County | 2 | 4 | 3 | 5 | 5 | 4 | 3 |
| | | Stearns County | 5 | 7 | 5 | 5 | 7 | 5 | 9 |
| 7000 | | St. Joseph, MO MSA | 4 | 4 | 2 | 8 | 8 | 8 | 9 |
| | | Andrew County | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| | | Buchanan County | 4 | 4 | 2 | 7 | 8 | 8 | 8 |
| 7040 | | St. Louis, MO-IL MSA | 436 | 536 | 555 | 510 | 510 | 526 | 536 |
| | | Clinton County, IL | 1 | 4 | 2 | 0 | 1 | 2 | 6 |
| | | Jersey County, IL | 1 | 2 | 1 | 1 | 2 | 1 | 2 |
| | | Madison County, IL | 27 | 35 | 48 | 42 | 52 | 63 | 90 |
| | | Monroe County, IL | 1 | 1 | 2 | 2 | 5 | 1 | 2 |
| | | St. Clair County, IL | 19 | 10 | 20 | 25 | 19 | 18 | 17 |
| | | Franklin County, MO | 10 | 10 | 9 | 5 | 12 | 11 | 8 |
| | | Jefferson County, MO | 15 | 17 | 11 | 16 | 16 | 11 | 11 |
| | | Lincoln County, MO | 0 | 1 | 0 | 0 | 0 | 2 | 1 |
| | | St. Charles County, MO | 28 | 52 | 39 | 43 | 48 | 53 | 68 |
| | | St. Louis County, MO | 203 | 243 | 257 | 205 | 207 | 207 | 185 |
| | | Warren County, MO | 4 | 2 | 7 | 2 | 1 | 5 | 0 |
| | | St. Louis (city), MO | 127 | 159 | 159 | 169 | 147 | 152 | 146 |
| 7080 | | Salem, OR PMSA (See Portland-Salem, OR-WA CMSA) | 22 | 27 | 24 | 21 | 20 | 22 | 24 |
| 7120 | | Salinas, CA MSA | 32 | 27 | 27 | 33 | 40 | 33 | 46 |
| | | Monterey County | 32 | 27 | 27 | 33 | 40 | 33 | 46 |
| 7160 | | Salt Lake City-Ogden, UT MSA | 236 | 263 | 269 | 307 | 295 | 343 | 401 |
| | | Davis County | 24 | 30 | 27 | 36 | 51 | 43 | 61 |
| | | Salt Lake County | 185 | 197 | 214 | 234 | 208 | 233 | 257 |
| | | Weber County | 27 | 36 | 28 | 37 | 36 | 67 | 83 |
| 7200 | | San Angelo, TX MSA | 5 | 4 | 4 | 4 | 2 | 3 | 0 |
| | | Tom Green County | 5 | 4 | 4 | 4 | 2 | 3 | 0 |
| 7240 | | San Antonio, TX MSA | 115 | 101 | 121 | 121 | 145 | 142 | 158 |
| | | Bexar County | 105 | 96 | 110 | 106 | 134 | 127 | 140 |
| | | Comal County | 4 | 2 | 4 | 7 | 6 | 7 | 6 |
| | | Guadalupe County | 5 | 3 | 5 | 7 | 5 | 7 | 5 |
| | | Wilson County | 1 | 0 | 2 | 1 | 0 | 1 | 7 |
| 7320 | | San Diego, CA MSA | 761 | 869 | 860 | 875 | 936 | 908 | 1114 |
| | | San Diego County | 761 | 869 | 860 | 875 | 936 | 908 | 1114 |
| 7360 | | San Francisco, CA PMSA (See San Francisco-Oakland-San Jose, CA CMSA) | 557 | 651 | 658 | 670 | 682 | 801 | 921 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 7362 | 5775 | San Francisco-Oakland-San Jose, CA CMSA | 2653 | 2928 | 3161 | 3463 | 3789 | 4277 | 5176 |
| | | Oakland, CA PMSA | 629 | 634 | 717 | 732 | 802 | 821 | 916 |
| | | Alameda County | 373 | 376 | 437 | 452 | 538 | 546 | 647 |
| | | Contra Costa County | 256 | 258 | 280 | 280 | 264 | 275 | 269 |
| | | San Francisco, CA PMSA | 557 | 651 | 658 | 670 | 682 | 801 | 921 |
| | 7360 | Marin County | 95 | 96 | 91 | 92 | 75 | 105 | 100 |
| | | San Francisco County | 121 | 136 | 137 | 158 | 166 | 167 | 225 |
| | | San Mateo County | 341 | 419 | 430 | 420 | 441 | 529 | 596 |
| | | San Jose, CA PMSA | 1295 | 1468 | 1602 | 1850 | 2100 | 2415 | 3036 |
| | | Santa Clara County | 1295 | 1468 | 1602 | 1850 | 2100 | 2415 | 3036 |
| 7400 | 7485 | Santa Cruz-Watsonville, CA PMSA | 75 | 78 | 64 | 94 | 94 | 106 | 158 |
| | | Santa Cruz County | 75 | 78 | 64 | 94 | 94 | 106 | 158 |
| | | Santa Rosa, CA PMSA | 67 | 65 | 76 | 68 | 71 | 90 | 94 |
| | | Sonoma County | 67 | 65 | 76 | 68 | 71 | 90 | 94 |
| | | Vallejo-Fairfield-Napa, CA PMSA | 30 | 32 | 44 | 49 | 40 | 44 | 51 |
| | 7500 | Napa County | 13 | 9 | 15 | 19 | 11 | 13 | 20 |
| | | Solano County | 17 | 23 | 29 | 30 | 29 | 31 | 31 |
| | | San Jose, CA PMSA (See San Francisco-Oakland-San Jose, CA CMSA) | 1295 | 1468 | 1602 | 1850 | 2100 | 2415 | 3036 |
| | | San Luis Obispo-Atascadero-Paso Robles, CA MSA | 22 | 28 | 30 | 31 | 34 | 36 | 34 |
| | | San Luis Obispo County | 22 | 28 | 30 | 31 | 34 | 36 | 34 |
| 7480 | 7485 | Santa Barbara-Santa Maria-Lompoc, CA MSA | 136 | 136 | 130 | 128 | 113 | 164 | 156 |
| | | Santa Barbara County | 136 | 136 | 130 | 128 | 113 | 164 | 156 |
| | | Santa Cruz-Watsonville, CA PMSA (See San Francisco-Oakland-San Jose, CA CMSA) | 75 | 78 | 64 | 94 | 94 | 106 | 158 |
| | | Santa Fe, NM MSA | 60 | 48 | 58 | 59 | 52 | 55 | 55 |
| | | Los Alamos County | 39 | 29 | 39 | 39 | 37 | 32 | 35 |
| | 7490 | Santa Fe County | 21 | 19 | 19 | 20 | 15 | 23 | 20 |
| | | Santa Rosa, CA PMSA (See San Francisco-Oakland-San Jose, CA CMSA) | 67 | 65 | 76 | 68 | 71 | 90 | 94 |
| | | Sarasota-Bradenton, FL MSA | 75 | 54 | 77 | 77 | 74 | 67 | 84 |
| | | Manatee County | 22 | 20 | 27 | 21 | 28 | 19 | 21 |
| | | Sarasota County | 53 | 34 | 50 | 56 | 46 | 48 | 63 |
| 7510 | 7520 | Savannah, GA MSA | 15 | 10 | 15 | 10 | 11 | 14 | 11 |
| | | Bryan County | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Chatham County | 15 | 10 | 15 | 10 | 10 | 13 | 10 |
| | | Effingham County | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| | | Scranton--Wilkes-Barre--Hazelton, PA MSA | 41 | 44 | 51 | 43 | 41 | 33 | 45 |
| | 7560 | Columbia County | 5 | 1 | 2 | 0 | 2 | 2 | 3 |
| | | Lackawanna County | 12 | 12 | 17 | 19 | 16 | 10 | 15 |
| | | Luzerne County | 22 | 29 | 31 | 22 | 21 | 21 | 24 |
| | | Wyoming County | 2 | 2 | 1 | 2 | 2 | 0 | 3 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSC | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 7600 | | Seattle-Bellevue-Everett, WA PMSA (See Seattle-Tacoma-Bremerton, WA CMSA) | 573 | 623 | 622 | 581 | 605 | 669 | 802 |
| 7602 | 1150 | Seattle-Tacoma-Bremerton, WA CMSA Bremerton, WA PMSA | 648 | 701 | 701 | 661 | 692 | 747 | 884 |
| | | Kitsap County | 9 | 10 | 15 | 27 | 24 | 14 | 35 |
| | 5910 | Olympia, WA PMSA | 9 | 10 | 15 | 27 | 24 | 14 | 35 |
| | | Thurston County | 5 | 8 | 5 | 3 | 8 | 11 | 9 |
| | 7600 | Seattle-Bellevue-Everett, WA PMSA | 5 | 8 | 5 | 3 | 8 | 11 | 9 |
| | | Island County | 573 | 623 | 622 | 581 | 605 | 669 | 802 |
| | | King County | 4 | 4 | 2 | 7 | 5 | 8 | 9 |
| | | Snohomish County | 484 | 518 | 534 | 489 | 520 | 560 | 661 |
| | 8200 | Tacoma, WA PMSA | 85 | 101 | 86 | 85 | 80 | 101 | 132 |
| | | Pierce County | 61 | 60 | 59 | 50 | 55 | 53 | 38 |
| | 61 | 60 | 59 | 50 | 55 | 55 | 53 | 38 | |
| 7610 | | Sharon, PA MSA | 11 | 9 | 6 | 9 | 13 | 9 | 8 |
| | | Mercer County | 11 | 9 | 6 | 9 | 13 | 9 | 8 |
| 7620 | | Sheboygan, WI MSA | 36 | 50 | 38 | 47 | 37 | 41 | 34 |
| | | Sheboygan County | 36 | 50 | 38 | 47 | 37 | 41 | 34 |
| 7640 | | Sherman-Denison, TX MSA | 18 | 17 | 19 | 14 | 16 | 8 | 34 |
| | | Grayson County | 18 | 17 | 19 | 14 | 16 | 8 | 34 |
| 7680 | | Shreveport-Bossier City, LA MSA | 34 | 30 | 24 | 28 | 26 | 25 | 22 |
| | | Bossier Parish | 22 | 17 | 15 | 12 | 14 | 13 | 11 |
| | | Caddo Parish | 11 | 10 | 8 | 10 | 8 | 11 | 10 |
| | | Webster Parish | 1 | 3 | 1 | 6 | 4 | 1 | 1 |
| 7720 | | Sioux City, IA-NE MSA | 7 | 6 | 5 | 6 | 8 | 5 | 13 |
| | | Woodbury County, IA | 7 | 5 | 3 | 5 | 3 | 3 | 12 |
| | | Dakota County, NE | 0 | 1 | 2 | 1 | 5 | 2 | 1 |
| 7760 | | Sioux Falls, SD MSA | 10 | 12 | 9 | 11 | 13 | 7 | 10 |
| | | Lincoln County | 4 | 5 | 4 | 5 | 6 | 4 | 6 |
| | | Minnehaha County | 6 | 7 | 5 | 6 | 7 | 3 | 4 |
| 7800 | | South Bend, IN MSA | 51 | 72 | 81 | 69 | 63 | 54 | 62 |
| | | St. Joseph County | 51 | 72 | 81 | 69 | 63 | 54 | 62 |
| 7840 | | Spokane, WA MSA | 42 | 39 | 42 | 52 | 47 | 42 | 38 |
| | | Spokane County | 42 | 39 | 42 | 52 | 47 | 42 | 38 |
| 7880 | | Springfield, IL MSA | 20 | 14 | 17 | 22 | 23 | 14 | 11 |
| | | Menard County | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | | Sangamon County | 20 | 14 | 17 | 22 | 22 | 14 | 11 |
| 7920 | | Springfield, MO MSA | 46 | 40 | 32 | 25 | 35 | 35 | 32 |
| | | Christian County | 23 | 22 | 16 | 12 | 16 | 16 | 13 |
| | | Greene County | 22 | 18 | 16 | 13 | 19 | 18 | 18 |
| | | Webster County | 1 | 0 | 0 | 0 | 0 | 1 | 1 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 8000 | | Springfield, MA MSA Franklin County (part) Hampden County (part) Hampshire County (part) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 8003 | | Springfield, MA NECMA Hampden County Hampshire County | 76 54 22 | 89 57 32 | 101 58 43 | 72 52 20 | 101 67 34 | 95 58 37 | 92 60 32 |
| 8040 | | Stamford-Norwalk, CT PMSA (See New York-Northern New Jersey Long Island, NY-NJ-CT-PA CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 8050 | | State College, PA MSA Centre County | 15 15 | 33 33 | 26 26 | 25 25 | 33 33 | 36 36 | 37 37 |
| 8080 | | Steubenville-Weirton, OH-WV MSA Jefferson County, OH Brooke County, WV Hancock County, WV | 8 0 6 2 | 13 4 7 2 | 8 2 3 3 | 14 1 9 4 | 18 6 10 2 | 15 2 11 2 | 11 3 6 2 |
| 8120 | | Stockton-Lodi, CA MSA San Joaquin County | 37 37 | 33 33 | 40 40 | 23 23 | 33 33 | 39 39 | 40 40 |
| 8140 | | Sumter, SC MSA Sumter County | 4 4 | 2 2 | 5 5 | 4 4 | 6 6 | 5 5 | 3 3 |
| 8160 | | Syracuse, NY MSA Cayuga County Madison County Onondaga County Oswego County | 151 8 11 120 12 | 192 12 15 151 14 | 167 18 16 115 18 | 151 9 13 113 16 | 153 7 22 115 9 | 150 8 13 120 9 | 132 11 8 106 7 |
| 8200 | | Tacoma-WA PMSA (See Seattle-Tacoma-Bremerton, WA CMSA) | 61 | 60 | 59 | 50 | 55 | 53 | 38 |
| 8240 | | Tallahassee, FL MSA Gadsden County Leon County | 15 0 15 | 10 0 10 | 16 0 16 | 22 2 20 | 27 3 24 | 30 1 29 | 28 1 27 |
| 8280 | | Tampa-St. Petersburg-Clearwater, FL MSA Hernando County Hillsborough County Pasco County Pinellas County | 243 12 47 14 170 | 278 12 73 21 172 | 270 9 80 26 155 | 216 10 70 22 114 | 261 8 79 20 154 | 274 5 73 15 181 | 260 7 91 23 139 |
| 8320 | | Terre Haute, IN MSA Clay County Vermillion County Vigo County | 16 2 0 14 | 25 4 1 20 | 12 4 1 7 | 14 4 1 9 | 13 5 0 8 | 10 2 0 8 | 9 1 1 7 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 8360 | | Texarkana, TX-Texarkana, AR MSA Miller County, AR Bowie County, TX | 2 1 1 | 4 1 3 | 3 1 2 | 3 1 2 | 7 0 7 | 4 4 0 | 7 3 4 |
| 8400 | | Toledo, OH MSA Fulton County Lucas County Wood County | 158 3 113 42 | 138 9 101 28 | 148 10 96 42 | 126 2 105 19 | 130 3 92 35 | 138 4 103 31 | 127 12 77 38 |
| 8440 | | Topeka, KS MSA Shawnee County | | 6 6 | 6 8 | 8 8 | 10 10 | 11 11 | 9 9 |
| 8480 | | Trenton, NJ PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | 378 | 381 | 345 | 341 | 335 | 300 | 345 |
| 8520 | | Tucson, AZ MSA Pima County | 129 129 | 160 148 | 148 182 | 182 185 | 185 200 | 200 183 | 183 |
| 8560 | | Tulsa, OK MSA Creek County Osage County Rogers County Tulsa County Wagoner County | 250 2 112 51 62 23 | 226 2 112 43 52 17 | 240 7 119 44 55 15 | 230 5 129 37 44 15 | 199 6 96 37 44 16 | 181 5 72 39 47 18 | 175 4 71 41 44 15 |
| 8600 | | Tuscaloosa, AL MSA Tuscaloosa County | 8 8 | 12 12 | 1 1 | 7 7 | 4 4 | 5 5 | 8 8 |
| 8640 | | Tyler, TX MSA Smith County | 8 8 | 11 11 | 18 18 | 12 12 | 14 14 | 19 19 | 11 11 |
| 8680 | | Utica-Rome, NY MSA Herkimer County Oneida County | 32 3 29 | 32 2 30 | 37 6 31 | 43 6 37 | 28 1 27 | 35 3 32 | 43 3 40 |
| 8720 | | Vallejo-Fairfield-Napa, CA PMSA (See San Francisco-Oakland-San Jose, CA CMSA) | 30 | 32 | 44 | 49 | 40 | 44 | 51 |
| 8735 | | Ventura, CA PMSA (See Los Angeles-Riverside-Orange County, CA CMSA) | 234 | 228 | 236 | 225 | 280 | 260 | 250 |
| 8750 | | Victoria, TX MSA Victoria County | 2 2 | 7 7 | 3 3 | 4 4 | 2 2 | 2 2 | 3 3 |
| 8760 | | Vineland-Millville-Bridgeton, NJ PMSA (See Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA) | 4 | 9 | 6 | 7 | 8 | 5 | 5 |
| 8780 | | Visalia-Tulare-Porterville, CA MSA Tulare County | 13 13 | 12 12 | 16 16 | 16 16 | 13 13 | 19 19 | 13 13 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|--|------------------------------|------|------|------|------|------|------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 8800 | | Waco, TX MSA McLennan County | 4 | 7 | 6 | 10 | 16 | 12 | 16 |
| | | | 4 | 7 | 6 | 10 | 16 | 12 | 16 |
| 8840 | | Washington, DC-MD-VA-WV PMSA (See Washington-Baltimore, DC-MD-VA-WV CMSA) | 755 | 770 | 815 | 839 | 883 | 912 | 974 |
| 8872 | 0720 | Washington-Baltimore, DC-MD-VA-WV CMSA Baltimore, MD PMSA Anne Arundel County Baltimore County Carroll County Harford County Howard County Queen Anne's County Baltimore (city) | 1132 | 1174 | 1266 | 1296 | 1384 | 1342 | 148 |
| | | | 369 | 397 | 439 | 445 | 495 | 425 | 470 |
| | | | 70 | 93 | 83 | 92 | 111 | 76 | 105 |
| | | | 94 | 81 | 89 | 75 | 105 | 86 | 99 |
| | | | 19 | 21 | 16 | 23 | 18 | 14 | 27 |
| | | | 25 | 47 | 41 | 35 | 46 | 28 | 35 |
| | | | 78 | 83 | 106 | 118 | 106 | 113 | 107 |
| | | | 4 | 4 | 7 | 3 | 5 | 7 | 3 |
| | | | 79 | 68 | 97 | 99 | 104 | 101 | 94 |
| | 3180 | Hagerstown, MD PMSA Washington County | 8 | 7 | 12 | 12 | 6 | 5 | 4 |
| | 8840 | Washington DC-MD-VA-WV PMSA District of Columbia Calvert County, MD Charles County, MD Frederick County, MD Montgomery County, MD Prince George's County, MD Arlington County, VA Clarke County, VA Culpeper County, VA Fairfax County, VA Fauquier County, VA King George County, VA Loudoun County, VA Prince William County, VA Spotsylvania County, VA Stafford County, VA Warren County, VA Alexandria (city), VA Fairfax (city), VA Falls Church (city), VA Fredericksburg (city), VA Manassas (city), VA Manassas Park (city), VA Berkeley County, WV Jefferson County, WV | 755 | 770 | 815 | 839 | 883 | 912 | 974 |
| | | | 38 | 59 | 59 | 53 | 44 | 57 | 40 |
| | | | 4 | 4 | 7 | 3 | 3 | 3 | 8 |
| | | | 10 | 12 | 8 | 16 | 16 | 8 | 3 |
| | | | 27 | 28 | 34 | 37 | 28 | 42 | 40 |
| | | | 306 | 287 | 319 | 355 | 380 | 365 | 441 |
| | | | 68 | 74 | 91 | 83 | 85 | 92 | 86 |
| | | | 16 | 40 | 32 | 17 | 29 | 22 | 19 |
| | | | 1 | 0 | 1 | 0 | 0 | 3 | 0 |
| | | | 1 | 1 | 2 | 0 | 3 | 0 | 5 |
| | | | 125 | 93 | 121 | 101 | 129 | 130 | 163 |
| | | | 7 | 6 | 3 | 9 | 11 | 6 | 8 |
| | | | 5 | 6 | 8 | 4 | 8 | 6 | 9 |
| | | | 10 | 13 | 16 | 16 | 9 | 23 | 25 |
| | | | 14 | 15 | 9 | 21 | 11 | 19 | 15 |
| | | | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| | | | 6 | 7 | 2 | 3 | 1 | 4 | 6 |
| | | | 0 | 1 | 0 | 2 | 1 | 3 | 4 |
| | | | 56 | 51 | 41 | 58 | 54 | 55 | 42 |
| | | | 20 | 12 | 13 | 15 | 20 | 24 | 19 |
| | | | 13 | 29 | 16 | 15 | 22 | 19 | 12 |
| | | | 13 | 10 | 9 | 10 | 9 | 3 | 2 |
| | | | 10 | 17 | 18 | 14 | 15 | 20 | 20 |
| | | | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| | | | 3 | 1 | 2 | 1 | 0 | 2 | 1 |
| | | | 0 | 2 | 3 | 4 | 3 | 4 | 4 |
| 8880 | | Waterbury, CT PMSA (See New York-Northern New Jersey-Long Island, NY-NJ-CT-PA CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 8920 | | Waterloo-Cedar Falls, IA MSA Black Hawk County | 20 | 17 | 18 | 17 | 13 | 18 | 12 |
| | | | 20 | 17 | 18 | 17 | 13 | 18 | 12 |
| 8940 | | Wausau, WI MSA Marathon County | 21 | 23 | 20 | 25 | 22 | 14 | 19 |
| | | | 21 | 23 | 20 | 25 | 22 | 14 | 19 |

| Geographic Codes | | Metropolitan area and geographic components | Year of Utility Patent Grant | | | | | | |
|------------------|------|---|------------------------------|----------------------|----------------------|----------------------|---------------------|----------------------|---------------------|
| Metro-politan | PMSA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 8960 | | West Palm Beach-Boca Raton, FL MSA Palm Beach County | 209 209 | 207 207 | 263 263 | 281 281 | 322 322 | 357 357 | 355 355 |
| 9000 | | Wheeling, WV-OH MSA Belmont County, OH Marshall County, WV Ohio County, WV | 5 1 3 1 | 8 1 4 3 | 6 0 4 2 | 9 2 5 2 | 14 1 10 3 | 9 1 6 2 | 7 1 3 3 |
| 9040 | | Wichita, KS MSA Butler County Harvey County Sedgwick County | 77 0 8 69 | 56 1 3 52 | 67 2 10 55 | 47 2 5 40 | 55 3 9 43 | 53 3 6 44 | 59 0 6 53 |
| 9080 | | Wichita Falls, TX MSA Archer County Wichita County | 10 5 5 | 10 5 5 | 10 5 5 | 16 8 8 | 14 6 8 | 12 6 6 | 10 4 6 |
| 9140 | | Williamsport, PA MSA Lycoming County | 28 28 | 18 18 | 21 21 | 13 13 | 19 19 | 30 30 | 20 20 |
| 9160 | | Wilmington-Newark, DE-MD PMSA (See Philadelphia-Wilmington-Atlantic City, PA-NJ-DE-MD CMSA) | 403 | 507 | 520 | 505 | 432 | 426 | 470 |
| 9200 | | Wilmington, NC MSA Brunswick County New Hanover County | 24 3 21 | 28 5 23 | 25 5 20 | 36 3 33 | 36 3 33 | 38 4 34 | 38 4 34 |
| 9240 | | Worcester, MA-CT PMSA (See Boston-Worcester-Lawrence, MA-NH-ME-CT CMSA) | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 9260 | | Yakima, WA MSA Yakima County | 19 19 | 14 14 | 12 12 | 15 15 | 14 14 | 14 14 | 16 16 |
| 9270 | | Yolo, CA PMSA (See Sacramento-Yolo, CA CMSA) | 26 | 24 | 33 | 30 | 39 | 35 | 57 |
| 9280 | | York, PA MSA York County | 51 51 | 58 58 | 60 60 | 46 46 | 39 39 | 45 45 | 57 57 |
| 9320 | | Youngstown-Warren, OH MSA Columbiana County Mahoning County Trumbull County | 62 7 22 33 | 72 11 26 35 | 65 16 26 23 | 62 18 21 23 | 46 8 17 21 | 42 10 12 20 | 50 7 24 19 |
| 9340 | | Yuba City, CA MSA Sutter County Yuba County | 2 1 1 | 6 4 2 | 9 5 4 | 5 4 1 | 6 6 0 | 14 11 3 | 4 2 2 |
| 9360 | | Yuma, AZ MSA Yuma County | 3 3 | 3 3 | 7 7 | 2 2 | 1 1 | 4 4 | 11 11 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990 - 1996**

Alphabetic and numeric state codes and numeric county codes correspond to Federal Information Processing Standards (FIPS) codes. Numeric county code 999 is used to represent patents that could not be associated with any particular county (or county equivalent) within the state.

ALABAMA

Alphabetic Code: AL
Numeric Code: 01

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Autauga | 2 | 0 | 1 | 0 | 1 | 1 | 2 |
| 003 | Baldwin | 5 | 10 | 4 | 10 | 12 | 6 | 5 |
| 005 | Barbour | 0 | 0 | 1 | 1 | 1 | 2 | 0 |
| 007 | Bibb | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 009 | Blount | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| 011 | Bullock | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | Butler | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 015 | Calhoun | 2 | 5 | 2 | 3 | 2 | 4 | 8 |
| 017 | Chambers | 1 | 2 | 0 | 0 | 0 | 1 | 1 |
| 019 | Cherokee | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 021 | Chilton | 1 | 3 | 0 | 0 | 1 | 1 | 0 |
| 023 | Choctaw | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| 025 | Clarke | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| 027 | Clay | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 029 | Cleburne | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 031 | Coffee | 1 | 2 | 0 | 0 | 1 | 0 | 0 |
| 033 | Colbert | 3 | 4 | 5 | 4 | 2 | 6 | 9 |
| 035 | Conecuh | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 037 | Coosa | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 039 | Covington | 1 | 0 | 0 | 0 | 1 | 2 | 0 |
| 041 | Crenshaw | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 043 | Cullman | 9 | 6 | 11 | 9 | 8 | 8 | 6 |
| 045 | Dale | 1 | 1 | 7 | 1 | 2 | 3 | 2 |
| 047 | Dallas | 0 | 1 | 2 | 0 | 1 | 3 | 3 |
| 049 | DeKalb | 0 | 0 | 0 | 0 | 2 | 1 | 3 |
| 051 | Elmore | 6 | 2 | 6 | 4 | 1 | 3 | 4 |
| 053 | Escambia | 0 | 1 | 0 | 1 | 2 | 1 | 1 |
| 055 | Etowah | 1 | 3 | 2 | 5 | 3 | 9 | 4 |
| 057 | Fayette | 1 | 2 | 0 | 2 | 2 | 1 | 0 |
| 059 | Franklin | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| 061 | Geneva | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 065 | Hale | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 067 | Henry | 1 | 1 | 2 | 0 | 1 | 3 | 1 |
| 069 | Houston | 1 | 1 | 2 | 0 | 4 | 7 | 5 |
| 071 | Jackson | 2 | 2 | 2 | 2 | 2 | 3 | 1 |
| 073 | Jefferson | 24 | 34 | 21 | 29 | 27 | 25 | 26 |
| 075 | Lamar | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 077 | Lauderdale | 23 | 22 | 16 | 14 | 11 | 7 | 6 |
| 079 | Lawrence | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| 081 | Lee | 17 | 11 | 14 | 3 | 7 | 14 | 12 |
| 083 | Limestone | 55 | 45 | 39 | 40 | 38 | 39 | 40 |
| 085 | Lowndes | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 087 | Macon | 0 | 0 | 1 | 3 | 0 | 0 | 0 |
| 089 | Madison | 55 | 48 | 36 | 41 | 39 | 36 | 44 |
| 091 | Marengo | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 093 | Marion | 2 | 1 | 1 | 3 | 2 | 1 | 1 |
| 095 | Marshall | 14 | 7 | 11 | 12 | 10 | 11 | 7 |
| 097 | Mobile | 29 | 33 | 24 | 28 | 19 | 23 | 24 |
| 099 | Monroe | 2 | 2 | 3 | 0 | 0 | 0 | 0 |
| 101 | Montgomery | 7 | 8 | 12 | 11 | 11 | 13 | 11 |
| 103 | Morgan | 8 | 8 | 4 | 4 | 7 | 11 | 4 |
| 105 | Perry | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Pickens | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 109 | Pike | 0 | 0 | 0 | 0 | 1 | 2 | 1 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| ALABAMA | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---------|-------------|------|------|------|------|------|------|------|
| 111 | Randolph | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 | Russell | 1 | 2 | 1 | 1 | 2 | 1 | 2 |
| 115 | St. Clair | 3 | 0 | 0 | 2 | 3 | 1 | 2 |
| 117 | Shelby | 19 | 27 | 19 | 21 | 20 | 25 | 27 |
| 119 | Sumter | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 | Talladega | 1 | 4 | 3 | 3 | 2 | 0 | 5 |
| 123 | Tallapoosa | 2 | 3 | 2 | 3 | 1 | 2 | 3 |
| 125 | Tuscaloosa | 8 | 12 | 1 | 7 | 4 | 5 | 8 |
| 127 | Walker | 0 | 0 | 0 | 1 | 2 | 1 | 1 |
| 129 | Washington | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 133 | Winston | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 314 | 321 | 256 | 273 | 260 | 286 | 283 |

ALASKA

Alphabetic Code: AK
Numeric Code: 02

| Code | Borough/Census Area Name | Year of Utility Patent Grant | | | | | | |
|------|--|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 013 | Aleutians East | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 016 | Aleutians West | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 020 | Anchorage | 14 | 24 | 19 | 27 | 30 | 24 | 20 |
| 050 | Bethel | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 060 | Bristol Bay | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 068 | Denali | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 070 | Dillingham | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 090 | Fairbanks North Star | 4 | 3 | 3 | 3 | 4 | 4 | 2 |
| 100 | Haines | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | Juneau | 1 | 3 | 0 | 3 | 3 | 0 | 1 |
| 122 | Kenai Peninsula | 3 | 3 | 2 | 3 | 2 | 5 | 1 |
| 130 | Ketchikan Gateway | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 150 | Kodiak Island | 0 | 0 | 1 | 0 | 2 | 2 | 3 |
| 164 | Lake and Peninsula | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170 | Matanuska-Susitna | 4 | 3 | 3 | 6 | 5 | 3 | 5 |
| 180 | Nome | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 185 | North Slope | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 188 | Northwest Arctic | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 201 | Prince of Wales-- --Outer Ketchikan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 | Sitka | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 232 | Skagway--Hoonah-- --Angoon | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| 240 | Southeast Fairbanks | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 261 | Valdez-Cordova | 0 | 0 | 1 | 2 | 0 | 0 | 1 |
| 270 | Wade Hampton | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 280 | Wrangell-Petersburg | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 282 | Yakutat | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 290 | Yukon-Koyukuk | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 27 | 41 | 37 | 47 | 47 | 40 | 36 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

ARIZONA

Alphabetic Code: AZ
Numeric Code: 04

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Apache | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 003 | | Cochise | 7 | 5 | 11 | 3 | 4 | 4 | 9 |
| 005 | | Coconino | 8 | 12 | 18 | 15 | 14 | 19 | 6 |
| 007 | | Gila | 1 | 2 | 1 | 1 | 0 | 0 | 3 |
| 009 | | Graham | 0 | 0 | 1 | 1 | 0 | 1 | 2 |
| 011 | | Greenlee | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 012 | | La Paz | 2 | 0 | 1 | 0 | 1 | 0 | 0 |
| 013 | | Maricopa | 484 | 612 | 625 | 616 | 689 | 742 | 816 |
| 015 | | Mohave | 5 | 8 | 5 | 4 | 6 | 5 | 5 |
| 017 | | Navajo | 5 | 1 | 1 | 3 | 1 | 4 | 1 |
| 019 | | Pima | 129 | 160 | 148 | 182 | 185 | 200 | 183 |
| 021 | | Pinal | 9 | 12 | 7 | 10 | 12 | 11 | 15 |
| 023 | | Santa Cruz | 2 | 3 | 0 | 2 | 1 | 0 | 0 |
| 025 | | Yavapai | 9 | 12 | 14 | 10 | 16 | 10 | 11 |
| 027 | | Yuma | 3 | 3 | 7 | 2 | 1 | 4 | 11 |
| 999 | | UNKNOWN | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | | 665 | 831 | 840 | 849 | 931 | 1000 | 1063 |

ARKANSAS

Alphabetic Code: AR
Numeric Code: 05

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|--------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Arkansas | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 003 | | Ashley | 2 | 0 | 1 | 1 | 0 | 0 | 0 |
| 005 | | Baxter | 0 | 1 | 1 | 0 | 1 | 1 | 0 |
| 007 | | Benton | 6 | 8 | 17 | 8 | 11 | 14 | 11 |
| 009 | | Boone | 1 | 1 | 1 | 1 | 1 | 0 | 2 |
| 011 | | Bradley | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 013 | | Calhoun | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 015 | | Carroll | 2 | 3 | 2 | 2 | 0 | 0 | 0 |
| 017 | | Chicot | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 019 | | Clark | 0 | 2 | 0 | 0 | 1 | 0 | 1 |
| 021 | | Clay | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 023 | | Cleburne | 2 | 0 | 0 | 1 | 1 | 0 | 6 |
| 025 | | Cleveland | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | | Columbia | 4 | 9 | 7 | 6 | 6 | 2 | 2 |
| 029 | | Conway | 0 | 1 | 0 | 2 | 1 | 0 | 0 |
| 031 | | Craighead | 3 | 3 | 7 | 3 | 3 | 2 | 6 |
| 033 | | Crawford | 0 | 2 | 1 | 0 | 3 | 0 | 2 |
| 035 | | Crittenden | 0 | 1 | 2 | 0 | 0 | 1 | 1 |
| 037 | | Cross | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 039 | | Dallas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 041 | | Desa | 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 043 | | Drew | 3 | 3 | 0 | 0 | 0 | 1 | 0 |
| 045 | | Faulkner | 3 | 1 | 5 | 3 | 4 | 4 | 6 |
| 047 | | Franklin | 0 | 0 | 3 | 3 | 0 | 1 | 1 |
| 049 | | Fulton | 1 | 0 | 0 | 0 | 1 | 2 | 0 |
| 051 | | Garland | 4 | 5 | 6 | 4 | 3 | 7 | 3 |
| 053 | | Grant | 1 | 0 | 0 | 2 | 1 | 0 | 1 |
| 055 | | Greene | 5 | 4 | 4 | 4 | 3 | 3 | 6 |
| 057 | | Hempstead | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 059 | | Hot Spring | 1 | 1 | 1 | 2 | 1 | 1 | 2 |
| 061 | | Howard | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 063 | | Independence | 3 | 0 | 6 | 4 | 3 | 1 | 1 |
| 065 | | Izard | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| ARKANSAS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|--------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 067 | Jackson | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| 069 | Jefferson | 2 | 5 | 3 | 1 | 1 | 1 | 1 |
| 071 | Johnson | 2 | 2 | 0 | 1 | 0 | 2 | 0 |
| 073 | Lafayette | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 075 | Lawrence | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 077 | Lee | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 079 | Lincoln | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| 081 | Little River | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
| 083 | Logan | 0 | 0 | 1 | 1 | 2 | 1 | 0 |
| 085 | Lonoke | 1 | 0 | 0 | 6 | 4 | 0 | 3 |
| 087 | Madison | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| 089 | Marion | 1 | 0 | 0 | 0 | 3 | 0 | 2 |
| 091 | Miller | 1 | 1 | 1 | 1 | 0 | 4 | 3 |
| 093 | Mississippi | 2 | 0 | 2 | 1 | 2 | 1 | 3 |
| 095 | Monroe | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 097 | Montgomery | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 099 | Nevada | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 101 | Newton | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Ouachita | 1 | 0 | 0 | 0 | 1 | 2 | 0 |
| 105 | Perry | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Phillips | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 109 | Pike | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | Poinsett | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 113 | Polk | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 115 | Pope | 1 | 3 | 5 | 2 | 4 | 0 | 3 |
| 117 | Prairie | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 | Pulaski | 31 | 25 | 23 | 18 | 23 | 15 | 21 |
| 121 | Randolph | 2 | 1 | 0 | 2 | 2 | 0 | 2 |
| 123 | St. Francis | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 125 | Saline | 5 | 2 | 3 | 3 | 5 | 3 | 4 |
| 127 | Scott | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 129 | Searcy | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 131 | Sebastian | 9 | 8 | 11 | 10 | 10 | 7 | 5 |
| 133 | Sevier | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 135 | Sharp | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| 137 | Stone | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 139 | Union | 1 | 2 | 3 | 2 | 2 | 5 | 2 |
| 141 | Van Buren | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 143 | Washington | 5 | 14 | 19 | 12 | 11 | 17 | 9 |
| 145 | White | 7 | 3 | 3 | 3 | 2 | 0 | 1 |
| 147 | Woodruff | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 149 | Yell | 3 | 0 | 1 | 3 | 1 | 1 | 0 |
| 999 | UNKNOWN | | | | | | | |
| | TOTAL | 129 | 120 | 148 | 120 | 123 | 108 | 115 |

CALIFORNIA

Alphabetic Code: CA
Numeric Code: 06

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|--------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Alameda | 373 | 376 | 437 | 452 | 538 | 546 | 647 |
| 003 | Alpine | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 005 | Amador | 0 | 1 | 3 | 2 | 0 | 1 | 1 |
| 007 | Butte | 47 | 22 | 16 | 12 | 14 | 14 | 8 |
| 009 | Calaveras | 1 | 1 | 2 | 2 | 1 | 2 | 3 |
| 011 | Colusa | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 013 | Contra Costa | 256 | 258 | 280 | 280 | 264 | 275 | 269 |
| 015 | Del Norte | 2 | 0 | 0 | 1 | 1 | 2 | 0 |
| 017 | El Dorado | 26 | 25 | 24 | 39 | 43 | 45 | 55 |
| 019 | Fresno | 22 | 26 | 31 | 35 | 40 | 31 | 37 |
| 021 | Glenn | 2 | 1 | 0 | 2 | 2 | 2 | 2 |
| 023 | Humboldt | 3 | 7 | 13 | 4 | 5 | 5 | 1 |
| | (continued) | | | | | | | |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| CALIFORNIA | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|------------|-----------------|--|------|------|------|------|------|------|-------|
| | (continued) | | | | | | | | |
| 025 | Imperial | | 6 | 3 | 0 | 3 | 1 | 0 | 3 |
| 027 | Inyo | | 2 | 2 | 1 | 2 | 1 | 1 | 0 |
| 029 | Kern | | 50 | 92 | 73 | 57 | 73 | 58 | 54 |
| 031 | Kings | | 1 | 4 | 1 | 4 | 2 | 3 | 2 |
| 033 | Lake | | 6 | 1 | 2 | 3 | 1 | 2 | 0 |
| 035 | Lassen | | 0 | 2 | 4 | 1 | 0 | 0 | 1 |
| 037 | Los Angeles | | 1586 | 1804 | 1649 | 1646 | 1875 | 1710 | 1777 |
| 039 | Madera | | 3 | 5 | 9 | 6 | 6 | 9 | 2 |
| 041 | Marin | | 95 | 96 | 91 | 92 | 75 | 105 | 100 |
| 043 | Mariposa | | 2 | 4 | 2 | 3 | 3 | 1 | 0 |
| 045 | Mendocino | | 7 | 5 | 8 | 12 | 6 | 11 | 10 |
| 047 | Merced | | 2 | 6 | 9 | 6 | 4 | 5 | 4 |
| 049 | Modoc | | 0 | 2 | 0 | 0 | 1 | 0 | 0 |
| 051 | Mono | | 1 | 3 | 2 | 1 | 2 | 3 | 1 |
| 053 | Monterey | | 32 | 27 | 27 | 33 | 40 | 33 | 46 |
| 055 | Napa | | 13 | 9 | 15 | 19 | 11 | 13 | 20 |
| 057 | Nevada | | 29 | 33 | 29 | 29 | 32 | 28 | 36 |
| 059 | Orange | | 891 | 965 | 1032 | 1017 | 1112 | 1055 | 1084 |
| 061 | Placer | | 27 | 29 | 26 | 22 | 37 | 45 | 42 |
| 063 | Plumas | | 1 | 3 | 2 | 4 | 2 | 2 | 3 |
| 065 | Riverside | | 87 | 107 | 109 | 111 | 110 | 117 | 113 |
| 067 | Sacramento | | 68 | 86 | 96 | 102 | 110 | 117 | 141 |
| 069 | San Benito | | 7 | 6 | 9 | 6 | 6 | 6 | 4 |
| 071 | San Bernardino | | 108 | 131 | 145 | 159 | 116 | 149 | 145 |
| 073 | San Diego | | 761 | 869 | 860 | 875 | 936 | 908 | 1114 |
| 075 | San Francisco | | 121 | 136 | 137 | 158 | 166 | 167 | 225 |
| 077 | San Joaquin | | 37 | 33 | 40 | 23 | 33 | 39 | 40 |
| 079 | San Luis Obispo | | 22 | 28 | 30 | 31 | 34 | 36 | 34 |
| 081 | San Mateo | | 341 | 419 | 430 | 420 | 441 | 529 | 596 |
| 083 | Santa Barbara | | 136 | 136 | 130 | 128 | 113 | 164 | 156 |
| 085 | Santa Clara | | 1295 | 1468 | 1602 | 1850 | 2100 | 2415 | 3036 |
| 087 | Santa Cruz | | 75 | 78 | 64 | 94 | 94 | 106 | 158 |
| 089 | Shasta | | 7 | 7 | 10 | 9 | 14 | 13 | 14 |
| 091 | Sierra | | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 093 | Siskiyou | | 5 | 2 | 2 | 8 | 2 | 1 | 2 |
| 095 | Solano | | 17 | 23 | 29 | 30 | 29 | 31 | 31 |
| 097 | Sonoma | | 67 | 65 | 76 | 68 | 71 | 90 | 94 |
| 099 | Stanislaus | | 28 | 31 | 31 | 27 | 37 | 36 | 30 |
| 101 | Sutter | | 1 | 4 | 5 | 4 | 6 | 11 | 2 |
| 103 | Tehama | | 1 | 2 | 0 | 2 | 3 | 1 | 1 |
| 105 | Trinity | | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 107 | Tulare | | 13 | 12 | 16 | 16 | 13 | 19 | 13 |
| 109 | Tuolumne | | 2 | 6 | 2 | 3 | 5 | 2 | 5 |
| 111 | Ventura | | 234 | 228 | 236 | 225 | 280 | 260 | 250 |
| 113 | Yolo | | 26 | 24 | 33 | 30 | 39 | 35 | 57 |
| 115 | Yuba | | 1 | 2 | 4 | 1 | 0 | 3 | 2 |
| 999 | UNKNOWN | | 0 | 3 | 3 | 2 | 5 | 2 | 3 |
| | TOTAL | | 6948 | 7719 | 7888 | 8171 | 8956 | 9265 | 10477 |

COLORADO

Alphabetic Code: CO
Numeric Code: 08

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|-----------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adams | 48 | 43 | 43 | 46 | 58 | 63 | 60 |
| 003 | | Alamosa | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| 005 | | Arapahoe | 47 | 42 | 53 | 51 | 67 | 67 | 74 |
| 007 | | Archuleta | 2 | 2 | 0 | 1 | 0 | 1 | 1 |
| 009 | | Baca | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 011 | | Bent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | | Boulder | 160 | 148 | 187 | 216 | 257 | 290 | 288 |
| 015 | | Chaffee | 0 | 4 | 1 | 4 | 1 | 8 | 2 |
| 017 | | Cheyenne | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| COLORADO | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|-------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 019 | Clear Creek | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 021 | Conejos | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | Costilla | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 025 | Crowley | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | Custer | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 029 | Delta | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 031 | Denver | 74 | 57 | 93 | 87 | 69 | 72 | 80 |
| 033 | Dolores | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 035 | Douglas | 35 | 43 | 42 | 46 | 60 | 55 | 60 |
| 037 | Eagle | 4 | 1 | 4 | 4 | 5 | 4 | 7 |
| 041 | El Paso | 72 | 84 | 108 | 103 | 112 | 130 | 165 |
| 039 | Elbert | 1 | 1 | 2 | 3 | 1 | 2 | 1 |
| 043 | Fremont | 3 | 2 | 2 | 0 | 1 | 3 | 2 |
| 045 | Garfield | 3 | 3 | 3 | 0 | 2 | 2 | 2 |
| 047 | Gilpin | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
| 049 | Grand | 3 | 0 | 0 | 0 | 0 | 0 | 1 |
| 051 | Gunnison | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 053 | Hinsdale | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 055 | Huerfano | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 057 | Jackson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 059 | Jefferson | 142 | 136 | 144 | 148 | 158 | 173 | 164 |
| 061 | Kiowa | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 063 | Kit Carson | 1 | 1 | 1 | 1 | 0 | 3 | 1 |
| 067 | La Plata | 6 | 5 | 4 | 1 | 2 | 2 | 2 |
| 065 | Lake | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 069 | Larimer | 61 | 100 | 94 | 120 | 148 | 119 | 148 |
| 071 | Las Animas | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 073 | Lincoln | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 075 | Logan | 2 | 2 | 0 | 1 | 0 | 1 | 2 |
| 077 | Mesa | 11 | 7 | 6 | 5 | 8 | 11 | 12 |
| 079 | Mineral | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 081 | Moffat | 1 | 2 | 1 | 0 | 0 | 2 | 2 |
| 083 | Montezuma | 1 | 1 | 2 | 0 | 3 | 1 | 2 |
| 085 | Montrose | 8 | 6 | 3 | 1 | 4 | 5 | 6 |
| 087 | Morgan | 0 | 3 | 2 | 1 | 1 | 2 | 2 |
| 089 | Otero | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| 091 | Ouray | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 093 | Park | 0 | 2 | 0 | 1 | 2 | 0 | 0 |
| 095 | Phillips | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 097 | Pitkin | 4 | 4 | 2 | 4 | 4 | 2 | 3 |
| 099 | Prowers | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 101 | Pueblo | 3 | 11 | 5 | 8 | 7 | 6 | 6 |
| 103 | Rio Blanco | 2 | 2 | 0 | 0 | 0 | 1 | 1 |
| 105 | Rio Grande | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 107 | Routt | 3 | 3 | 5 | 1 | 2 | 4 | 3 |
| 109 | Saguache | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | San Juan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 | San Miguel | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 115 | Sedgwick | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 117 | Summit | 0 | 2 | 2 | 0 | 4 | 4 | 3 |
| 119 | Teller | 1 | 2 | 4 | 5 | 6 | 5 | 9 |
| 121 | Washington | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 123 | Weld | 37 | 37 | 30 | 45 | 56 | 55 | 60 |
| 125 | Yuma | 2 | 0 | 1 | 2 | 0 | 0 | 1 |
| 999 | UNKNOWN | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | TOTAL | 744 | 760 | 849 | 911 | 1045 | 1097 | 1176 |

CONNECTICUT

Alphabetic Code: CT
Numeric Code: 09

| Code | County | Name | Year of Utility Patent Grant | | | | | |
|------|-----------|-------------|------------------------------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
| 001 | Fairfield | (continued) | 495 | 489 | 528 | 560 | 597 | 562 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| CONNECTICUT | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|-------------|------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | | |
| 003 | Hartford | 252 | 302 | 301 | 341 | 334 | 297 | 262 | |
| 005 | Litchfield | 92 | 80 | 90 | 81 | 98 | 82 | 102 | |
| 007 | Middlesex | 68 | 60 | 59 | 58 | 73 | 63 | 56 | |
| 009 | New Haven | 275 | 297 | 313 | 324 | 328 | 346 | 297 | |
| 011 | New London | 90 | 104 | 95 | 106 | 100 | 118 | 109 | |
| 013 | Tolland | 69 | 56 | 50 | 60 | 61 | 59 | 56 | |
| 015 | Windham | 19 | 11 | 18 | 16 | 17 | 18 | 13 | |
| 999 | UNKNOWN | 0 | 1 | 0 | 0 | 1 | 0 | 1 | |
| | TOTAL | 1360 | 1400 | 1454 | 1546 | 1609 | 1545 | 1451 | |

DELAWARE

Alphabetic Code: DE
Numeric Code: 10

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Kent | 12 | 13 | 11 | 8 | 13 | 10 | 6 |
| 003 | New Castle | 389 | 487 | 492 | 480 | 412 | 403 | 436 |
| 005 | Sussex | 17 | 20 | 20 | 19 | 15 | 15 | 13 |
| 999 | UNKNOWN | | | | 1 | | | |
| | TOTAL | 418 | 520 | 524 | 507 | 440 | 428 | 455 |

DISTRICT OF COLUMBIA

Alphabetic Code: DC
Numeric Code: 11

| Code | SUB-DIVISION | Year of Utility Patent Grant | | | | | | |
|------|----------------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | District of Columbia | 38 | 59 | 59 | 53 | 44 | 57 | 40 |
| | TOTAL | 38 | 59 | 59 | 53 | 44 | 57 | 40 |

FLORIDA

Alphabetic Code: FL
Numeric Code: 12

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|-----------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Alachua | 60 | 68 | 64 | 63 | 63 | 72 | 74 |
| 003 | Baker | 2 | 0 | 0 | 1 | 0 | 1 | 0 |
| 005 | Bay | 31 | 19 | 11 | 10 | 15 | 13 | 17 |
| 007 | Bradford | 2 | 0 | 1 | 0 | 1 | 1 | 0 |
| 009 | Brevard | 100 | 103 | 95 | 106 | 92 | 92 | 132 |
| 011 | Broward | 247 | 236 | 274 | 274 | 325 | 358 | 347 |
| 013 | Calhoun | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 015 | Charlotte | 12 | 14 | 18 | 14 | 13 | 5 | 25 |
| 017 | Citrus | 4 | 4 | 3 | 8 | 10 | 12 | 7 |
| 019 | Clay | 4 | 6 | 5 | 5 | 3 | 6 | 9 |
| 021 | Collier | 22 | 22 | 29 | 24 | 26 | 37 | 30 |
| 023 | Columbia | 3 | 1 | 2 | 0 | 4 | 4 | 2 |
| 025 | Dade | 165 | 190 | 215 | 189 | 181 | 196 | 187 |
| 027 | DeSoto | 0 | 1 | 1 | 2 | 1 | 2 | 6 |
| 029 | Dixie | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 031 | Duval | 51 | 46 | 66 | 58 | 48 | 53 | 76 |
| 033 | Escambia | 25 | 23 | 11 | 22 | 16 | 20 | 22 |
| 035 | Flagler | 2 | 1 | 2 | 1 | 1 | 3 | 0 |
| 037 | Franklin | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| FLORIDA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|--------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 039 | Gadsden | 0 | 0 | 0 | 2 | 3 | 1 | 1 |
| 041 | Gilchrist | 0 | 0 | 1 | 1 | 0 | 2 | 0 |
| 043 | Glades | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| 045 | Gulf | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 047 | Hamilton | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 049 | Hardee | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 051 | Hendry | 0 | 2 | 3 | 1 | 1 | 0 | 5 |
| 053 | Hernando | 12 | 12 | 9 | 10 | 8 | 5 | 7 |
| 055 | Highlands | 4 | 2 | 2 | 4 | 1 | 4 | 3 |
| 057 | Hillsborough | 47 | 73 | 80 | 70 | 79 | 73 | 91 |
| 059 | Holmes | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| 061 | Indian River | 17 | 19 | 10 | 9 | 11 | 14 | 16 |
| 063 | Jackson | 0 | 0 | 1 | 1 | 1 | 0 | 2 |
| 065 | Jefferson | 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 067 | Lafayette | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 069 | Lake | 11 | 12 | 10 | 10 | 13 | 10 | 11 |
| 071 | Lee | 38 | 40 | 38 | 36 | 35 | 48 | 46 |
| 073 | Leon | 15 | 10 | 16 | 20 | 24 | 29 | 27 |
| 075 | Levy | 3 | 1 | 5 | 0 | 1 | 2 | 4 |
| 077 | Liberty | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 079 | Madison | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 081 | Manatee | 22 | 20 | 27 | 21 | 28 | 19 | 21 |
| 083 | Marion | 15 | 18 | 24 | 14 | 24 | 19 | 18 |
| 085 | Martin | 15 | 29 | 45 | 32 | 28 | 30 | 33 |
| 087 | Monroe | 9 | 12 | 9 | 10 | 15 | 9 | 12 |
| 089 | Nassau | 4 | 2 | 2 | 5 | 7 | 5 | 3 |
| 091 | Okaloosa | 10 | 12 | 8 | 5 | 8 | 5 | 12 |
| 093 | Okeechobee | 1 | 0 | 0 | 0 | 0 | 3 | 1 |
| 095 | Orange | 96 | 105 | 84 | 77 | 84 | 89 | 95 |
| 097 | Osceola | 6 | 7 | 6 | 11 | 10 | 6 | 4 |
| 099 | Palm Beach | 209 | 207 | 263 | 281 | 322 | 357 | 355 |
| 101 | Pasco | 14 | 21 | 26 | 22 | 20 | 15 | 23 |
| 103 | Pinellas | 170 | 172 | 155 | 114 | 154 | 181 | 139 |
| 105 | Polk | 24 | 34 | 27 | 28 | 35 | 26 | 28 |
| 107 | Putnam | 2 | 2 | 3 | 6 | 1 | 4 | 2 |
| 113 | Santa Rosa | 5 | 7 | 7 | 10 | 6 | 7 | 7 |
| 115 | Sarasota | 53 | 34 | 50 | 56 | 46 | 48 | 63 |
| 117 | Seminole | 83 | 57 | 87 | 69 | 45 | 56 | 59 |
| 109 | St. Johns | 1 | 5 | 10 | 11 | 12 | 14 | 11 |
| 111 | St. Lucie | 14 | 8 | 8 | 17 | 17 | 7 | 12 |
| 119 | Sumter | 1 | 1 | 0 | 0 | 1 | 1 | 0 |
| 121 | Suwannee | 0 | 2 | 2 | 0 | 0 | 0 | 0 |
| 123 | Taylor | 2 | 0 | 0 | 2 | 1 | 0 | 1 |
| 125 | Union | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127 | Volusia | 28 | 27 | 40 | 39 | 42 | 31 | 24 |
| 129 | Wakulla | 3 | 0 | 0 | 2 | 1 | 0 | 1 |
| 131 | Walton | 0 | 0 | 1 | 1 | 2 | 1 | 3 |
| 133 | Washington | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 999 | UNKNOWN | 1 | 0 | 5 | 2 | 2 | 2 | 1 |
| TOTAL | | 1665 | 1688 | 1863 | 1778 | 1889 | 2002 | 2082 |

GEORGIA

Alphabetic Code: GA
Numeric Code: 13

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|----------|------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Appling | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| 003 | Atkinson | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 005 | Bacon | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 007 | Baker | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | Baldwin | 1 | 4 | 3 | 1 | 5 | 0 | 3 | |
| 011 | Banks | 1 | 1 | 3 | 1 | 2 | 1 | 0 | |
| 013 | Barrow | 1 | 3 | 2 | 0 | 1 | 1 | 0 | |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| GEORGIA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|---------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 015 | Bartow | 9 | 4 | 7 | 1 | 3 | 5 | 5 |
| 017 | Ben Hill | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 019 | Berrien | 2 | 1 | 0 | 0 | 3 | 0 | 0 |
| 021 | Bibb | 7 | 8 | 10 | 6 | 9 | 8 | 7 |
| 023 | Bleckley | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 025 | Brantley | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 027 | Brooks | 2 | 1 | 2 | 0 | 0 | 2 | 1 |
| 029 | Bryan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 031 | Bulloch | 1 | 3 | 1 | 2 | 2 | 1 | 2 |
| 033 | Burke | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| 035 | Butts | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 037 | Calhoun | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| 039 | Camden | 0 | 2 | 0 | 2 | 2 | 1 | 2 |
| 043 | Candler | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 045 | Carroll | 9 | 6 | 9 | 8 | 10 | 7 | 6 |
| 047 | Catoosa | 3 | 3 | 3 | 2 | 0 | 1 | 3 |
| 049 | Charlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 051 | Chatham | 15 | 10 | 15 | 10 | 10 | 13 | 10 |
| 053 | Chattahoochee | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 055 | Chattooga | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
| 057 | Cherokee | 10 | 11 | 7 | 13 | 14 | 14 | 29 |
| 059 | Clarke | 12 | 14 | 19 | 22 | 20 | 20 | 18 |
| 061 | Clay | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 063 | Clayton | 6 | 8 | 11 | 8 | 3 | 9 | 12 |
| 065 | Clinch | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 067 | Cobb | 87 | 79 | 99 | 86 | 134 | 138 | 152 |
| 069 | Coffee | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 071 | Colquitt | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 073 | Columbia | 3 | 6 | 7 | 5 | 5 | 7 | 7 |
| 075 | Cook | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 077 | Coweta | 4 | 5 | 6 | 4 | 9 | 10 | 12 |
| 079 | Crawford | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 081 | Crisp | 0 | 2 | 0 | 2 | 0 | 1 | 3 |
| 083 | Dade | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 085 | Dawson | 0 | 2 | 2 | 3 | 0 | 6 | 2 |
| 087 | Decatur | 0 | 0 | 1 | 1 | 2 | 0 | 0 |
| 089 | DeKalb | 133 | 115 | 129 | 129 | 136 | 134 | 166 |
| 091 | Dodge | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 093 | Dooly | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 095 | Dougherty | 7 | 3 | 2 | 6 | 4 | 3 | 3 |
| 097 | Douglas | 3 | 4 | 4 | 7 | 8 | 11 | 5 |
| 099 | Early | 2 | 5 | 2 | 3 | 1 | 1 | 1 |
| 101 | Echols | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Effingham | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 105 | Elbert | 0 | 0 | 1 | 0 | 2 | 1 | 2 |
| 107 | Emanuel | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| 109 | Evans | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | Fannin | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 113 | Fayette | 5 | 3 | 3 | 5 | 9 | 3 | 8 |
| 115 | Floyd | 10 | 4 | 3 | 3 | 6 | 7 | 6 |
| 117 | Forsyth | 4 | 4 | 7 | 8 | 9 | 14 | 20 |
| 119 | Franklin | 1 | 1 | 0 | 0 | 2 | 1 | 0 |
| 121 | Fulton | 80 | 84 | 77 | 105 | 115 | 134 | 147 |
| 123 | Gilmer | 1 | 0 | 0 | 2 | 3 | 3 | 3 |
| 125 | Glascock | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127 | Glynn | 6 | 6 | 4 | 2 | 1 | 4 | 7 |
| 129 | Gordon | 3 | 4 | 3 | 1 | 1 | 4 | 3 |
| 131 | Grady | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 133 | Greene | 0 | 1 | 0 | 0 | 2 | 0 | 0 |
| 135 | Gwinnett | 93 | 116 | 95 | 128 | 121 | 137 | 158 |
| 137 | Habersham | 1 | 0 | 0 | 0 | 1 | 1 | 3 |
| 139 | Hall | 11 | 12 | 9 | 22 | 16 | 14 | 11 |
| 141 | Hancock | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 143 | Haralson | 0 | 1 | 2 | 1 | 2 | 1 | 0 |
| 145 | Harris | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 147 | Hart | 1 | 0 | 1 | 2 | 3 | 2 | 0 |
| 149 | Heard | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 151 | Henry | 2 | 3 | 3 | 4 | 3 | 3 | 5 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| GEORGIA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 153 | Houston | 1 | 2 | 4 | 5 | 2 | 2 | 3 |
| 155 | Irwin | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157 | Jackson | 3 | 3 | 5 | 2 | 7 | 5 | 3 |
| 159 | Jasper | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 161 | Jeff Davis | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 163 | Jefferson | 2 | 0 | 1 | 3 | 2 | 1 | 1 |
| 165 | Jenkins | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 167 | Johnson | 0 | 0 | 0 | 2 | 2 | 1 | 2 |
| 169 | Jones | 8 | 6 | 11 | 6 | 10 | 8 | 7 |
| 171 | Lamar | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 173 | Lanier | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Laurens | 1 | 2 | 1 | 1 | 2 | 1 | 2 |
| 177 | Lee | 1 | 0 | 1 | 1 | 2 | 0 | 2 |
| 179 | Liberty | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 181 | Lincoln | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 183 | Long | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 185 | Lowndes | 0 | 4 | 1 | 2 | 1 | 5 | 5 |
| 187 | Lumpkin | 1 | 1 | 5 | 5 | 1 | 0 | 2 |
| 193 | Macon | 2 | 0 | 1 | 2 | 0 | 0 | 0 |
| 195 | Madison | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 197 | Marion | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | McDuffie | 1 | 2 | 1 | 1 | 1 | 0 | 1 |
| 191 | McIntosh | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 199 | Meriwether | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| 201 | Miller | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205 | Mitchell | 1 | 3 | 3 | 1 | 0 | 2 | 0 |
| 207 | Monroe | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 209 | Montgomery | 0 | 1 | 1 | 0 | 1 | 1 | 1 |
| 211 | Morgan | 0 | 1 | 2 | 0 | 0 | 2 | 0 |
| 213 | Murray | 0 | 0 | 0 | 1 | 3 | 2 | 0 |
| 215 | Muscogee | 6 | 10 | 14 | 7 | 4 | 9 | 5 |
| 217 | Newton | 3 | 4 | 2 | 2 | 2 | 2 | 1 |
| 219 | Ocnee | 3 | 2 | 3 | 1 | 4 | 4 | 0 |
| 221 | Oglethorpe | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 223 | Paulding | 1 | 0 | 2 | 3 | 1 | 1 | 0 |
| 225 | Peach | 1 | 1 | 2 | 2 | 1 | 3 | 5 |
| 227 | Pickens | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 229 | Pierce | 0 | 2 | 2 | 0 | 0 | 1 | 1 |
| 231 | Pike | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 233 | Polk | 1 | 1 | 2 | 0 | 1 | 1 | 3 |
| 235 | Pulaski | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 237 | Putnam | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 239 | Quitman | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 241 | Rabun | 0 | 1 | 0 | 1 | 2 | 0 | 1 |
| 243 | Randolph | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 245 | Richmond | 10 | 9 | 21 | 10 | 17 | 10 | 10 |
| 247 | Rockdale | 10 | 13 | 8 | 8 | 14 | 17 | 28 |
| 249 | Schley | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 251 | Sciven | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 253 | Seminole | 0 | 0 | 0 | 2 | 0 | 1 | 1 |
| 255 | Spalding | 0 | 1 | 0 | 2 | 3 | 1 | 2 |
| 257 | Stephens | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 259 | Stewart | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 261 | Sumter | 0 | 1 | 2 | 0 | 0 | 0 | 2 |
| 263 | Talbot | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 265 | Taliaferro | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 267 | Tattnall | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 269 | Taylor | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 271 | Telfair | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 273 | Terrell | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 275 | Thomas | 3 | 3 | 0 | 1 | 0 | 5 | 5 |
| 277 | Tift | 2 | 7 | 1 | 2 | 2 | 0 | 2 |
| 279 | Toombs | 0 | 1 | 1 | 0 | 1 | 1 | 2 |
| 281 | Towns | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 283 | Treutlen | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 285 | Troup | 7 | 6 | 1 | 6 | 8 | 14 | 14 |
| 287 | Turner | 0 | 1 | 0 | 2 | 0 | 0 | 0 |
| 289 | Twiggs | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| GEORGIA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 291 | Union | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 293 | Upson | 0 | 0 | 2 | 1 | 1 | 0 | 0 |
| 295 | Walker | 2 | 1 | 3 | 4 | 2 | 4 | 2 |
| 297 | Walton | 1 | 4 | 0 | 1 | 2 | 0 | 4 |
| 299 | Ware | 0 | 2 | 1 | 0 | 0 | 0 | 0 |
| 301 | Warren | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 303 | Washington | 8 | 3 | 3 | 4 | 4 | 3 | 5 |
| 305 | Wayne | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 307 | Webster | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 309 | Wheeler | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 311 | White | 3 | 0 | 0 | 1 | 2 | 0 | 0 |
| 313 | Whitfield | 2 | 5 | 10 | 7 | 6 | 7 | 12 |
| 315 | Wilcox | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 317 | Wilkes | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 319 | Wilkinson | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 321 | Worth | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 638 | 649 | 682 | 710 | 810 | 853 | 971 |

HAWAII

Alphabetic Code: HI
Numeric Code: 15

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|----------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Hawaii | 8 | 9 | 10 | 18 | 15 | 12 | 17 |
| 003 | | Honolulu | 56 | 43 | 53 | 57 | 44 | 46 | 46 |
| 007 | | Kauai | 2 | 2 | 1 | 1 | 2 | 0 | 6 |
| 009 | | Maui | 6 | 7 | 7 | 4 | 13 | 8 | 12 |
| 999 | | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | | 72 | 61 | 71 | 80 | 74 | 66 | 81 |

IDAHO

Alphabetic Code: ID
Numeric Code: 16

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Ada | 74 | 116 | 166 | 236 | 235 | 213 | 255 |
| 003 | | Adams | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 005 | | Bannock | 2 | 3 | 3 | 3 | 4 | 2 | 2 |
| 007 | | Bear Lake | 0 | 1 | 1 | 0 | 1 | 2 | 0 |
| 009 | | Benewah | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 011 | | Bingham | 5 | 3 | 2 | 2 | 6 | 3 | 0 |
| 013 | | Blaine | 5 | 0 | 3 | 8 | 6 | 9 | 9 |
| 015 | | Boise | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 017 | | Bonner | 3 | 7 | 3 | 7 | 4 | 3 | 5 |
| 019 | | Bonneville | 24 | 29 | 25 | 21 | 21 | 20 | 18 |
| 021 | | Boundary | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 023 | | Butte | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 025 | | Camas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | | Canyon | 8 | 7 | 4 | 11 | 10 | 7 | 16 |
| 029 | | Caribou | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 031 | | Cassia | 2 | 1 | 1 | 0 | 0 | 0 | 1 |
| 033 | | Clark | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 035 | | Clearwater | 2 | 0 | 1 | 1 | 0 | 1 | 1 |
| 037 | | Custer | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 039 | | Elmore | 0 | 2 | 1 | 0 | 0 | 0 | 1 |
| 041 | | Franklin | 1 | 0 | 0 | 0 | 0 | 1 | 2 |
| 043 | | Fremont | 0 | 1 | 1 | 0 | 0 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| IDAHO | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 045 | Gem | 1 | 3 | 0 | 4 | 1 | 2 | 1 |
| 047 | Gooding | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| 049 | Idaho | 1 | 0 | 1 | 1 | 2 | 1 | 0 |
| 051 | Jefferson | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 053 | Jerome | 0 | 0 | 0 | 1 | 5 | 2 | 2 |
| 055 | Kootenai | 11 | 11 | 5 | 9 | 6 | 6 | 17 |
| 057 | Latah | 7 | 9 | 6 | 11 | 10 | 10 | 15 |
| 059 | Lemhi | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 061 | Lewis | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 063 | Lincoln | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 065 | Madison | 0 | 1 | 2 | 1 | 1 | 2 | 0 |
| 067 | Minidoka | 1 | 2 | 3 | 2 | 2 | 2 | 2 |
| 069 | Nez Perce | 1 | 0 | 2 | 4 | 1 | 2 | 1 |
| 071 | Oneida | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 073 | Owyhee | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 075 | Payette | 0 | 1 | 1 | 2 | 0 | 1 | 1 |
| 077 | Power | 3 | 3 | 4 | 4 | 4 | 5 | 1 |
| 079 | Shoshone | 0 | 0 | 1 | 2 | 2 | 0 | 4 |
| 081 | Teton | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 083 | Twin Falls | 10 | 4 | 2 | 3 | 6 | 7 | 2 |
| 085 | Valley | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| 087 | Washington | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 166 | 206 | 239 | 334 | 332 | 306 | 366 |

ILLINOIS

Alphabetic Code: IL
Numeric Code: 17

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adams | 11 | 6 | 10 | 7 | 9 | 7 | 1 |
| 003 | | Alexander | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 005 | | Bond | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 007 | | Boone | 6 | 7 | 8 | 3 | 7 | 5 | 3 |
| 009 | | Brown | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 011 | | Bureau | 5 | 2 | 0 | 6 | 0 | 2 | 7 |
| 013 | | Calhoun | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 015 | | Carroll | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| 017 | | Cass | 0 | 0 | 0 | 0 | 1 | 0 | 3 |
| 019 | | Champaign | 28 | 26 | 24 | 47 | 43 | 39 | 49 |
| 021 | | Christian | 4 | 3 | 4 | 3 | 3 | 6 | 2 |
| 023 | | Clark | 3 | 1 | 1 | 1 | 0 | 0 | 0 |
| 025 | | Clay | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | | Clinton | 1 | 4 | 2 | 0 | 1 | 2 | 6 |
| 029 | | Coles | 2 | 6 | 1 | 1 | 1 | 4 | 3 |
| 031 | | Cook | 922 | 978 | 1015 | 971 | 919 | 981 | 996 |
| 033 | | Crawford | 2 | 0 | 0 | 1 | 0 | 0 | 1 |
| 035 | | Cumberland | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 039 | | De Witt | 0 | 0 | 1 | 0 | 1 | 2 | 1 |
| 037 | | DeKalb | 9 | 4 | 6 | 13 | 11 | 12 | 16 |
| 041 | | Douglas | 0 | 4 | 1 | 1 | 4 | 2 | 2 |
| 043 | | DuPage | 528 | 584 | 601 | 599 | 600 | 565 | 586 |
| 045 | | Edgar | 1 | 0 | 0 | 2 | 3 | 2 | 2 |
| 047 | | Edwards | 4 | 1 | 1 | 0 | 3 | 0 | 2 |
| 049 | | Effingham | 4 | 1 | 6 | 6 | 14 | 12 | 19 |
| 051 | | Fayette | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 053 | | Ford | 1 | 0 | 2 | 1 | 1 | 0 | 0 |
| 055 | | Franklin | 2 | 1 | 3 | 3 | 0 | 4 | 4 |
| 057 | | Fulton | 3 | 2 | 0 | 0 | 0 | 1 | 1 |
| 059 | | Gallatin | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 061 | | Greene | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 063 | | Grundy | 4 | 6 | 6 | 3 | 3 | 7 | 5 |
| 065 | | Hamilton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| ILLINOIS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|-------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 067 | Hancock | 1 | 2 | 1 | 0 | 1 | 6 | 6 |
| 069 | Hardin | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 071 | Henderson | 1 | 0 | 0 | 2 | 1 | 1 | 1 |
| 073 | Henry | 10 | 9 | 7 | 4 | 5 | 16 | 6 |
| 075 | Iroquois | 1 | 4 | 2 | 5 | 4 | 3 | 2 |
| 077 | Jackson | 9 | 4 | 4 | 3 | 5 | 1 | 1 |
| 079 | Jasper | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 081 | Jefferson | 4 | 3 | 0 | 2 | 6 | 2 | 1 |
| 083 | Jersey | 1 | 2 | 1 | 1 | 2 | 1 | 2 |
| 085 | Jo Daviess | 1 | 4 | 3 | 2 | 7 | 2 | 3 |
| 087 | Johnson | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| 089 | Kane | 124 | 93 | 103 | 123 | 119 | 115 | 115 |
| 091 | Kankakee | 5 | 7 | 9 | 10 | 8 | 11 | 5 |
| 093 | Kendall | 7 | 8 | 7 | 16 | 13 | 8 | 10 |
| 095 | Knox | 3 | 6 | 2 | 5 | 8 | 3 | 6 |
| 099 | La Salle | 2 | 3 | 7 | 7 | 8 | 6 | 12 |
| 097 | Lake | 286 | 326 | 390 | 375 | 349 | 357 | 452 |
| 101 | Lawrence | 0 | 0 | 2 | 2 | 1 | 1 | 1 |
| 103 | Lee | 3 | 1 | 3 | 1 | 7 | 2 | 5 |
| 105 | Livingston | 2 | 1 | 3 | 1 | 1 | 5 | 4 |
| 107 | Logan | 1 | 2 | 3 | 1 | 1 | 0 | 1 |
| 115 | Macon | 15 | 10 | 8 | 10 | 18 | 24 | 14 |
| 117 | Macoupin | 4 | 1 | 8 | 1 | 2 | 2 | 3 |
| 119 | Madison | 27 | 35 | 48 | 42 | 52 | 63 | 90 |
| 121 | Marion | 1 | 3 | 1 | 1 | 0 | 1 | 1 |
| 123 | Marshall | 2 | 2 | 1 | 2 | 2 | 1 | 0 |
| 125 | Mason | 0 | 1 | 0 | 1 | 2 | 0 | 1 |
| 127 | Massac | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | McDonough | 2 | 2 | 0 | 1 | 0 | 3 | 3 |
| 111 | McHenry | 77 | 91 | 101 | 91 | 114 | 127 | 125 |
| 113 | McLean | 7 | 14 | 10 | 9 | 12 | 20 | 10 |
| 129 | Menard | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 131 | Mercer | 2 | 4 | 4 | 3 | 3 | 0 | 2 |
| 133 | Monroe | 1 | 1 | 2 | 2 | 5 | 1 | 2 |
| 135 | Montgomery | 4 | 1 | 0 | 0 | 5 | 1 | 3 |
| 137 | Morgan | 3 | 1 | 1 | 4 | 1 | 0 | 0 |
| 139 | Moultrie | 0 | 1 | 0 | 2 | 5 | 3 | 2 |
| 141 | Ogle | 8 | 11 | 11 | 11 | 6 | 6 | 7 |
| 143 | Peoria | 39 | 53 | 54 | 82 | 77 | 100 | 114 |
| 145 | Perry | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 147 | Platt | 3 | 1 | 1 | 0 | 3 | 1 | 3 |
| 149 | Pike | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| 151 | Pope | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 153 | Pulaski | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 | Putnam | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 157 | Randolph | 1 | 0 | 0 | 1 | 0 | 2 | 0 |
| 159 | Richland | 1 | 4 | 1 | 1 | 1 | 2 | 4 |
| 161 | Rock Island | 19 | 20 | 18 | 20 | 19 | 11 | 15 |
| 165 | Saline | 1 | 1 | 6 | 5 | 2 | 0 | 0 |
| 167 | Sangamon | 20 | 14 | 17 | 22 | 22 | 14 | 11 |
| 169 | Schuyler | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 171 | Scott | 0 | 0 | 1 | 2 | 1 | 1 | 1 |
| 173 | Shelby | 2 | 1 | 0 | 1 | 4 | 4 | 8 |
| 163 | St. Clair | 19 | 10 | 20 | 25 | 19 | 18 | 17 |
| 175 | Stark | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 177 | Stephenson | 10 | 9 | 17 | 13 | 15 | 18 | 14 |
| 179 | Tazewell | 23 | 25 | 10 | 12 | 21 | 19 | 43 |
| 181 | Union | 2 | 1 | 0 | 0 | 1 | 0 | 0 |
| 183 | Vermilion | 5 | 19 | 14 | 6 | 7 | 7 | 4 |
| 185 | Wabash | 1 | 1 | 0 | 3 | 1 | 1 | 0 |
| 187 | Warren | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 189 | Washington | 0 | 1 | 0 | 2 | 0 | 1 | 2 |
| 191 | Wayne | 1 | 1 | 2 | 1 | 0 | 0 | 1 |
| 193 | White | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 195 | Whiteside | 9 | 8 | 10 | 4 | 9 | 6 | 10 |
| 197 | Will | 129 | 142 | 159 | 145 | 132 | 131 | 171 |
| 199 | Williamson | 7 | 3 | 4 | 2 | 4 | 1 | 7 |
| 201 | Winnebago | 155 | 179 | 116 | 80 | 89 | 80 | 100 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| ILLINOIS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|-------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 203 | Woodford | 3 | 3 | 9 | 11 | 6 | 12 | 15 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | TOTAL | 2611 | 2795 | 2902 | 2849 | 2835 | 2878 | 3153 |

INDIANA

Alphabetic Code: IN
Numeric Code: 18

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|-------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Adams | 1 | 5 | 4 | 2 | 2 | 6 | 2 |
| 003 | Allen | 77 | 92 | 73 | 79 | 72 | 62 | 79 |
| 005 | Bartholomew | 26 | 40 | 22 | 13 | 32 | 39 | 30 |
| 007 | Benton | 1 | 0 | 1 | 1 | 2 | 0 | 0 |
| 009 | Blackford | 1 | 1 | 1 | 2 | 2 | 0 | 0 |
| 011 | Boone | 16 | 14 | 17 | 7 | 18 | 19 | 18 |
| 013 | Brown | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| 015 | Carroll | 2 | 5 | 3 | 6 | 3 | 4 | 2 |
| 017 | Cass | 0 | 3 | 2 | 2 | 5 | 7 | 1 |
| 019 | Clark | 9 | 7 | 7 | 8 | 7 | 7 | 10 |
| 021 | Clay | 2 | 4 | 4 | 4 | 5 | 2 | 1 |
| 023 | Clinton | 0 | 3 | 0 | 1 | 1 | 1 | 4 |
| 025 | Crawford | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 027 | Daviess | 0 | 2 | 1 | 1 | 0 | 0 | 0 |
| 029 | Dearborn | 2 | 7 | 4 | 7 | 4 | 6 | 6 |
| 031 | Decatur | 1 | 2 | 4 | 0 | 2 | 5 | 3 |
| 033 | De Kalb | 12 | 14 | 13 | 15 | 7 | 6 | 7 |
| 035 | Delaware | 7 | 8 | 4 | 11 | 12 | 16 | 14 |
| 037 | Dubois | 4 | 3 | 4 | 3 | 3 | 2 | 3 |
| 039 | Elkhart | 37 | 46 | 42 | 58 | 37 | 36 | 48 |
| 041 | Fayette | 6 | 5 | 9 | 5 | 1 | 8 | 8 |
| 043 | Floyd | 6 | 3 | 8 | 7 | 9 | 2 | 5 |
| 045 | Fountain | 0 | 1 | 0 | 2 | 3 | 1 | 1 |
| 047 | Franklin | 4 | 5 | 6 | 7 | 8 | 15 | 13 |
| 049 | Fulton | 3 | 4 | 3 | 2 | 0 | 2 | 6 |
| 051 | Gibson | 0 | 2 | 1 | 5 | 3 | 2 | 0 |
| 053 | Grant | 5 | 4 | 6 | 2 | 6 | 1 | 1 |
| 055 | Greene | 2 | 1 | 0 | 2 | 1 | 1 | 2 |
| 057 | Hamilton | 43 | 51 | 48 | 58 | 68 | 92 | 133 |
| 059 | Hancock | 12 | 8 | 7 | 6 | 8 | 7 | 15 |
| 061 | Harrison | 1 | 0 | 1 | 1 | 5 | 5 | 0 |
| 063 | Hendricks | 13 | 16 | 8 | 9 | 26 | 20 | 7 |
| 065 | Henry | 1 | 3 | 2 | 3 | 4 | 2 | 3 |
| 067 | Howard | 27 | 31 | 32 | 22 | 31 | 50 | 63 |
| 069 | Huntington | 9 | 6 | 6 | 8 | 7 | 10 | 5 |
| 071 | Jackson | 1 | 2 | 1 | 4 | 4 | 2 | 2 |
| 073 | Jasper | 0 | 1 | 0 | 1 | 1 | 2 | 0 |
| 075 | Jay | 0 | 0 | 1 | 2 | 2 | 0 | 2 |
| 077 | Jefferson | 10 | 7 | 4 | 3 | 3 | 3 | 5 |
| 079 | Jennings | 3 | 2 | 0 | 2 | 1 | 1 | 0 |
| 081 | Johnson | 14 | 17 | 19 | 17 | 23 | 32 | 40 |
| 083 | Knox | 0 | 2 | 0 | 4 | 1 | 3 | 3 |
| 085 | Kosciusko | 24 | 29 | 29 | 21 | 29 | 32 | 40 |
| 087 | Lagrange | 3 | 2 | 3 | 0 | 1 | 2 | 2 |
| 089 | Lake | 36 | 31 | 22 | 32 | 32 | 24 | 36 |
| 091 | La Porte | 25 | 27 | 26 | 24 | 17 | 17 | 12 |
| 093 | Lawrence | 3 | 4 | 1 | 3 | 4 | 1 | 4 |
| 095 | Madison | 25 | 21 | 20 | 21 | 22 | 21 | 17 |
| 097 | Marion | 182 | 179 | 196 | 199 | 195 | 217 | 295 |
| 099 | Marshall | 5 | 2 | 3 | 4 | 7 | 7 | 6 |
| 101 | Martin | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Miami | 1 | 4 | 1 | 1 | 2 | 4 | 2 |
| 105 | Monroe | 10 | 17 | 16 | 22 | 17 | 14 | 17 |
| 107 | Montgomery | 3 | 5 | 1 | 2 | 2 | 3 | 4 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| INDIANA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---------|-------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 109 | Morgan | 7 | 15 | 6 | 11 | 8 | 17 | 11 |
| 111 | Newton | 1 | 2 | 0 | 0 | 1 | 0 | 0 |
| 113 | Noble | 1 | 4 | 11 | 3 | 9 | 3 | 12 |
| 115 | Ohio | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 117 | Orange | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 119 | Owen | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| 121 | Parke | 2 | 0 | 1 | 1 | 1 | 1 | 0 |
| 123 | Perry | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 125 | Pike | 0 | 1 | 0 | 3 | 0 | 2 | 0 |
| 127 | Porter | 17 | 11 | 17 | 18 | 15 | 14 | 18 |
| 129 | Posey | 26 | 12 | 15 | 6 | 7 | 13 | 6 |
| 131 | Pulaski | 1 | 1 | 2 | 2 | 2 | 0 | 4 |
| 133 | Putnam | 1 | 5 | 0 | 2 | 3 | 4 | 2 |
| 135 | Randolph | 0 | 1 | 1 | 1 | 3 | 2 | 2 |
| 137 | Ripley | 2 | 1 | 3 | 4 | 1 | 3 | 5 |
| 139 | Rush | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 141 | St. Joseph | 51 | 72 | 81 | 69 | 63 | 54 | 62 |
| 143 | Scott | 0 | 2 | 1 | 0 | 0 | 1 | 0 |
| 145 | Shelby | 6 | 6 | 4 | 6 | 7 | 7 | 6 |
| 147 | Spencer | 1 | 0 | 0 | 2 | 3 | 5 | 8 |
| 149 | Starke | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 151 | Steuben | 2 | 6 | 4 | 5 | 6 | 8 | 6 |
| 153 | Sullivan | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 155 | Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157 | Tippecanoe | 50 | 43 | 34 | 41 | 58 | 59 | 55 |
| 159 | Tipton | 1 | 3 | 7 | 2 | 3 | 2 | 5 |
| 161 | Union | 2 | 2 | 0 | 2 | 0 | 4 | 0 |
| 163 | Vanderburgh | 45 | 46 | 16 | 29 | 32 | 42 | 39 |
| 165 | Vermillion | 0 | 1 | 1 | 1 | 0 | 0 | 1 |
| 167 | Vigo | 14 | 20 | 7 | 9 | 8 | 8 | 7 |
| 169 | Wabash | 4 | 5 | 8 | 7 | 7 | 8 | 7 |
| 171 | Warren | 0 | 1 | 1 | 0 | 1 | 0 | 2 |
| 173 | Warrick | 4 | 5 | 3 | 7 | 7 | 8 | 12 |
| 175 | Washington | 0 | 1 | 0 | 1 | 1 | 1 | 0 |
| 177 | Wayne | 5 | 7 | 6 | 7 | 17 | 20 | 13 |
| 179 | Wells | 4 | 3 | 2 | 3 | 3 | 2 | 3 |
| 181 | White | 8 | 2 | 2 | 6 | 6 | 5 | 5 |
| 183 | Whitley | 7 | 3 | 5 | 2 | 9 | 2 | 8 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 940 | 1030 | 930 | 972 | 1041 | 1120 | 1282 |

IOWA

Alphabetic Code: IA
Numeric Code: 19

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|-------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adair | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| 003 | | Adams | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 005 | | Allamakee | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 007 | | Appanoose | 1 | 1 | 1 | 0 | 2 | 3 | 1 |
| 009 | | Audubon | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 011 | | Benton | 1 | 1 | 0 | 0 | 1 | 1 | 3 |
| 013 | | Black Hawk | 20 | 17 | 18 | 17 | 13 | 18 | 12 |
| 015 | | Boone | 0 | 6 | 2 | 0 | 3 | 5 | 2 |
| 017 | | Bremer | 2 | 1 | 0 | 1 | 0 | 0 | 3 |
| 019 | | Buchanan | 2 | 0 | 0 | 0 | 0 | 1 | 1 |
| 021 | | Buena Vista | 0 | 1 | 1 | 2 | 2 | 1 | 0 |
| 023 | | Butler | 2 | 0 | 2 | 1 | 2 | 0 | 2 |
| 025 | | Calhoun | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 027 | | Carroll | 3 | 0 | 2 | 2 | 2 | 1 | 0 |
| 029 | | Cass | 1 | 3 | 1 | 1 | 1 | 3 | 0 |
| 031 | | Cedar | 0 | 0 | 0 | 2 | 1 | 0 | 2 |
| 033 | | Cerro Gordo | 2 | 2 | 2 | 9 | 4 | 4 | 5 |
| | | (continued) | | | | | | | |

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| IOWA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|---------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 035 | Cherokee | 2 | 1 | 0 | 0 | 0 | 1 | 0 |
| 037 | Chickasaw | 1 | 1 | 1 | 1 | 0 | 2 | 0 |
| 039 | Clarke | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| 041 | Clay | 0 | 2 | 0 | 1 | 1 | 0 | 0 |
| 043 | Clayton | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 045 | Clinton | 3 | 6 | 4 | 2 | 4 | 3 | 2 |
| 047 | Crawford | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 049 | Dallas | 5 | 9 | 5 | 6 | 11 | 12 | 13 |
| 051 | Davis | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| 053 | Decatur | 0 | 0 | 1 | 2 | 0 | 1 | 0 |
| 055 | Delaware | 2 | 3 | 3 | 0 | 3 | 1 | 1 |
| 057 | Des Moines | 5 | 5 | 2 | 6 | 9 | 13 | 15 |
| 059 | Dickinson | 4 | 2 | 7 | 3 | 1 | 2 | 2 |
| 061 | Dubuque | 13 | 24 | 11 | 11 | 5 | 9 | 7 |
| 063 | Emmet | 0 | 1 | 1 | 1 | 0 | 1 | 2 |
| 065 | Fayette | 0 | 2 | 0 | 1 | 1 | 2 | 0 |
| 067 | Floyd | 3 | 3 | 2 | 3 | 3 | 1 | 0 |
| 069 | Franklin | 5 | 2 | 5 | 2 | 0 | 4 | 4 |
| 071 | Fremont | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 073 | Greene | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| 075 | Grundy | 4 | 1 | 1 | 0 | 0 | 0 | 0 |
| 077 | Guthrie | 1 | 2 | 1 | 0 | 0 | 2 | 2 |
| 079 | Hamilton | 0 | 1 | 0 | 2 | 3 | 3 | 5 |
| 081 | Hancock | 4 | 5 | 4 | 4 | 2 | 2 | 3 |
| 083 | Hardin | 3 | 2 | 0 | 0 | 5 | 1 | 5 |
| 085 | Harrison | 0 | 1 | 2 | 1 | 1 | 1 | 1 |
| 087 | Henry | 0 | 1 | 2 | 2 | 2 | 2 | 1 |
| 089 | Howard | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 091 | Humboldt | 2 | 0 | 6 | 0 | 4 | 1 | 0 |
| 093 | Ida | 4 | 7 | 5 | 3 | 1 | 2 | 1 |
| 095 | Iowa | 2 | 5 | 2 | 0 | 18 | 5 | 5 |
| 097 | Jackson | 1 | 1 | 0 | 0 | 0 | 4 | 1 |
| 099 | Jasper | 3 | 5 | 10 | 9 | 13 | 15 | 2 |
| 101 | Jefferson | 4 | 2 | 7 | 4 | 3 | 8 | 4 |
| 103 | Johnson | 21 | 15 | 29 | 25 | 16 | 33 | 28 |
| 105 | Jones | 2 | 0 | 0 | 0 | 2 | 2 | 1 |
| 107 | Keokuk | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 109 | Kossuth | 0 | 1 | 3 | 2 | 3 | 3 | 0 |
| 111 | Lee | 1 | 1 | 1 | 2 | 1 | 0 | 3 |
| 113 | Linn | 67 | 60 | 59 | 72 | 74 | 56 | 73 |
| 115 | Louisa | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 117 | Lucas | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 119 | Lyon | 1 | 1 | 2 | 2 | 1 | 1 | 2 |
| 121 | Madison | 2 | 0 | 1 | 1 | 1 | 0 | 0 |
| 123 | Mahaska | 2 | 5 | 5 | 7 | 7 | 6 | 3 |
| 125 | Marion | 4 | 6 | 8 | 11 | 8 | 3 | 6 |
| 127 | Marshall | 3 | 7 | 6 | 10 | 4 | 9 | 9 |
| 129 | Mills | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 131 | Mitchell | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 133 | Monona | 4 | 0 | 0 | 0 | 0 | 1 | 0 |
| 135 | Monroe | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 137 | Montgomery | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 139 | Muscatine | 5 | 4 | 6 | 8 | 9 | 15 | 10 |
| 141 | O'Brien | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| 143 | Osceola | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145 | Page | 1 | 1 | 2 | 3 | 5 | 2 | 4 |
| 147 | Palo Alto | 2 | 1 | 0 | 1 | 2 | 1 | 0 |
| 149 | Plymouth | 3 | 1 | 2 | 0 | 1 | 1 | 1 |
| 151 | Pocahontas | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| 153 | Polk | 40 | 38 | 41 | 37 | 41 | 54 | 52 |
| 155 | Pottawattamie | 6 | 13 | 6 | 1 | 2 | 7 | 6 |
| 157 | Poweshiek | 2 | 1 | 0 | 1 | 2 | 1 | 0 |
| 159 | Ringgold | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 161 | Sac | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 163 | Scott | 14 | 12 | 20 | 16 | 15 | 16 | 24 |
| 165 | Shelby | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 167 | Sioux | 1 | 3 | 1 | 3 | 0 | 3 | 6 |
| 169 | Story | 30 | 46 | 37 | 46 | 46 | 51 | 63 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| IOWA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 171 | Tama | 1 | 0 | 1 | 3 | 2 | 3 | 2 |
| 173 | Taylor | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 175 | Union | 0 | 0 | 1 | 1 | 4 | 0 | 0 |
| 177 | Van Buren | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 179 | Wapello | 5 | 7 | 3 | 1 | 3 | 6 | 2 |
| 181 | Warren | 3 | 6 | 1 | 3 | 4 | 4 | 2 |
| 183 | Washington | 1 | 1 | 2 | 1 | 0 | 0 | 0 |
| 185 | Wayne | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 187 | Webster | 3 | 6 | 2 | 2 | 4 | 0 | 5 |
| 189 | Winnebago | 1 | 2 | 1 | 2 | 1 | 0 | 0 |
| 191 | Winneshiek | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 193 | Woodbury | 7 | 5 | 3 | 5 | 3 | 3 | 12 |
| 195 | Worth | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| 197 | Wright | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 999 | UNKNOWN | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| TOTAL | | 349 | 378 | 369 | 371 | 395 | 425 | 435 |

KANSAS

Alphabetic Code: KS
Numeric Code: 20

| Code | County | Name | Year of Utility Patent Grant | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
| 001 | | Allen | 1 | 2 | 2 | 3 | 1 | 0 |
| 003 | | Anderson | 0 | 0 | 0 | 0 | 0 | 0 |
| 005 | | Atchison | 0 | 0 | 0 | 0 | 0 | 0 |
| 007 | | Barber | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | | Barton | 1 | 3 | 1 | 2 | 2 | 3 |
| 011 | | Bourbon | 0 | 0 | 0 | 1 | 0 | 2 |
| 013 | | Brown | 2 | 3 | 5 | 3 | 3 | 1 |
| 015 | | Butler | 0 | 1 | 2 | 2 | 3 | 3 |
| 017 | | Chase | 0 | 0 | 0 | 0 | 0 | 0 |
| 019 | | Chautauqua | 0 | 0 | 0 | 0 | 0 | 0 |
| 021 | | Cherokee | 3 | 2 | 0 | 0 | 1 | 2 |
| 023 | | Cheyenne | 0 | 0 | 0 | 1 | 0 | 1 |
| 025 | | Clark | 1 | 0 | 0 | 0 | 1 | 0 |
| 027 | | Clay | 0 | 1 | 0 | 0 | 0 | 0 |
| 029 | | Cloud | 0 | 1 | 0 | 0 | 0 | 0 |
| 031 | | Coffey | 2 | 2 | 0 | 0 | 1 | 0 |
| 033 | | Comanche | 0 | 0 | 1 | 0 | 0 | 0 |
| 035 | | Cowley | 2 | 2 | 0 | 1 | 1 | 1 |
| 037 | | Crawford | 1 | 3 | 1 | 2 | 3 | 0 |
| 039 | | Decatur | 0 | 1 | 0 | 0 | 0 | 1 |
| 041 | | Dickinson | 0 | 1 | 1 | 1 | 1 | 2 |
| 043 | | Doniphan | 0 | 0 | 2 | 0 | 0 | 1 |
| 045 | | Douglas | 19 | 13 | 18 | 23 | 16 | 10 |
| 047 | | Edwards | 0 | 0 | 0 | 0 | 0 | 0 |
| 049 | | Elk | 0 | 0 | 0 | 0 | 0 | 0 |
| 051 | | Ellis | 5 | 2 | 3 | 1 | 3 | 2 |
| 053 | | Ellsworth | 1 | 0 | 0 | 0 | 1 | 0 |
| 055 | | Finney | 1 | 1 | 4 | 5 | 5 | 3 |
| 057 | | Ford | 0 | 1 | 4 | 1 | 1 | 4 |
| 059 | | Franklin | 0 | 1 | 1 | 2 | 1 | 1 |
| 061 | | Geary | 0 | 0 | 0 | 0 | 1 | 0 |
| 063 | | Gove | 0 | 0 | 1 | 0 | 0 | 2 |
| 065 | | Graham | 0 | 0 | 0 | 0 | 0 | 0 |
| 067 | | Grant | 0 | 1 | 0 | 0 | 0 | 0 |
| 069 | | Gray | 0 | 1 | 1 | 0 | 4 | 2 |
| 071 | | Greeley | 0 | 0 | 0 | 0 | 0 | 1 |
| 073 | | Greenwood | 0 | 0 | 0 | 1 | 1 | 0 |
| 075 | | Hamilton | 0 | 0 | 0 | 0 | 0 | 0 |
| 077 | | Harper | 1 | 1 | 0 | 2 | 2 | 3 |
| 079 | | Harvey | 8 | 3 | 10 | 5 | 9 | 6 |
| 081 | | Haskell | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| KANSAS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|--------|--------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 083 | Hodgeman | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 085 | Jackson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 087 | Jefferson | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 089 | Jewell | 1 | 1 | 0 | 0 | 3 | 2 | 5 |
| 091 | Johnson | 68 | 76 | 87 | 69 | 81 | 87 | 92 |
| 093 | Kearny | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 095 | Kingman | 0 | 1 | 2 | 0 | 2 | 0 | 3 |
| 097 | Kiowa | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 099 | Labette | 2 | 0 | 0 | 1 | 1 | 1 | 0 |
| 101 | Lane | 0 | 2 | 1 | 0 | 0 | 0 | 0 |
| 103 | Leavenworth | 1 | 3 | 4 | 1 | 3 | 2 | 1 |
| 105 | Lincoln | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Linn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | Logan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | Lyon | 7 | 4 | 5 | 4 | 2 | 3 | 7 |
| 113 | McPherson | 5 | 3 | 1 | 9 | 5 | 3 | 4 |
| 115 | Marion | 0 | 2 | 0 | 1 | 0 | 0 | 1 |
| 117 | Marshall | 1 | 2 | 2 | 3 | 4 | 1 | 1 |
| 119 | Meade | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 121 | Miami | 2 | 3 | 0 | 5 | 2 | 4 | 4 |
| 123 | Mitchell | 0 | 1 | 1 | 2 | 1 | 3 | 0 |
| 125 | Montgomery | 2 | 6 | 0 | 4 | 5 | 3 | 10 |
| 127 | Morris | 0 | 3 | 1 | 2 | 0 | 1 | 2 |
| 129 | Morton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 131 | Nemaha | 2 | 2 | 2 | 1 | 1 | 1 | 2 |
| 133 | Neosho | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 135 | Ness | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 137 | Norton | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 139 | Osage | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 141 | Osborne | 1 | 1 | 0 | 1 | 5 | 0 | 0 |
| 143 | Ottawa | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145 | Pawnee | 1 | 2 | 2 | 0 | 0 | 0 | 1 |
| 147 | Phillips | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 149 | Pottawatomie | 1 | 5 | 6 | 6 | 10 | 8 | 5 |
| 151 | Pratt | 2 | 1 | 0 | 0 | 0 | 0 | 1 |
| 153 | Rawlins | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 155 | Reno | 2 | 2 | 8 | 3 | 6 | 3 | 5 |
| 157 | Republic | 0 | 1 | 0 | 1 | 1 | 0 | 1 |
| 159 | Rice | 0 | 0 | 1 | 0 | 1 | 3 | 1 |
| 161 | Riley | 1 | 5 | 6 | 7 | 11 | 8 | 6 |
| 163 | Rooks | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 165 | Rush | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 167 | Russell | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 169 | Saline | 5 | 4 | 6 | 9 | 2 | 4 | 12 |
| 171 | Scott | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 173 | Sedgwick | 69 | 52 | 55 | 40 | 43 | 44 | 53 |
| 175 | Seward | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 177 | Shawnee | 6 | 6 | 8 | 8 | 10 | 11 | 9 |
| 179 | Sheridan | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 181 | Sherman | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 183 | Smith | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 185 | Stafford | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 | Stanton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | Stevens | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 | Sumner | 0 | 1 | 3 | 3 | 0 | 1 | 0 |
| 193 | Thomas | 0 | 1 | 0 | 1 | 2 | 0 | 0 |
| 195 | Trego | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 197 | Wabaunsee | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 199 | Wallace | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 201 | Washington | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 203 | Wichita | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| 205 | Wilson | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 207 | Woodson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 | Wyandotte | 9 | 4 | 6 | 2 | 4 | 5 | 11 |
| 999 | UNKNOWN | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | TOTAL | 245 | 250 | 267 | 244 | 274 | 250 | 293 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

KENTUCKY

Alphabetic Code: KY
Numeric Code: 21

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|--------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adair | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 003 | | Allen | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 005 | | Anderson | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| 007 | | Ballard | 3 | 2 | 0 | 0 | 1 | 0 | 1 |
| 009 | | Barren | 1 | 1 | 3 | 1 | 1 | 1 | 1 |
| 011 | | Bath | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | | Bell | 2 | 0 | 0 | 0 | 1 | 1 | 0 |
| 015 | | Boone | 10 | 6 | 8 | 9 | 11 | 19 | 15 |
| 017 | | Bourbon | 0 | 1 | 2 | 0 | 1 | 1 | 1 |
| 019 | | Boyd | 7 | 6 | 2 | 4 | 5 | 3 | 4 |
| 021 | | Boyle | 0 | 7 | 0 | 2 | 3 | 1 | 2 |
| 023 | | Bracken | 0 | 0 | 3 | 0 | 1 | 3 | 0 |
| 025 | | Breathitt | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 027 | | Breckinridge | 2 | 0 | 0 | 0 | 3 | 1 | 0 |
| 029 | | Bullitt | 2 | 3 | 4 | 1 | 5 | 1 | 4 |
| 031 | | Butler | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 033 | | Caldwell | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 035 | | Calloway | 0 | 0 | 1 | 0 | 2 | 2 | 2 |
| 037 | | Campbell | 8 | 6 | 11 | 8 | 5 | 7 | 8 |
| 039 | | Carlisle | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 041 | | Carroll | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| 043 | | Carter | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 045 | | Casey | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 047 | | Christian | 3 | 4 | 8 | 2 | 1 | 4 | 3 |
| 049 | | Clark | 4 | 3 | 0 | 7 | 3 | 0 | 3 |
| 051 | | Clay | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 053 | | Clinton | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 055 | | Crittenden | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 057 | | Cumberland | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 059 | | Daviess | 4 | 4 | 4 | 1 | 8 | 4 | 4 |
| 061 | | Edmonson | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 063 | | Elliott | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 065 | | Estill | 0 | 0 | 0 | 2 | 2 | 1 | 0 |
| 067 | | Fayette | 38 | 49 | 54 | 45 | 50 | 45 | 75 |
| 069 | | Fleming | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 071 | | Floyd | 0 | 1 | 0 | 1 | 0 | 3 | 1 |
| 073 | | Franklin | 0 | 2 | 0 | 3 | 1 | 3 | 4 |
| 075 | | Fulton | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 077 | | Gallatin | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 079 | | Garrard | 3 | 0 | 0 | 1 | 0 | 0 | 2 |
| 081 | | Grant | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 083 | | Graves | 1 | 1 | 0 | 1 | 0 | 2 | 5 |
| 085 | | Grayson | 0 | 0 | 3 | 0 | 1 | 2 | 0 |
| 087 | | Green | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 089 | | Greenup | 1 | 3 | 6 | 4 | 2 | 1 | 2 |
| 091 | | Hancock | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 093 | | Hardin | 3 | 1 | 0 | 1 | 1 | 0 | 2 |
| 095 | | Harlan | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| 097 | | Harrison | 1 | 1 | 2 | 0 | 0 | 0 | 0 |
| 099 | | Hart | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| 101 | | Henderson | 2 | 5 | 8 | 7 | 5 | 3 | 1 |
| 103 | | Henry | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 105 | | Hickman | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 107 | | Hopkins | 0 | 1 | 2 | 3 | 0 | 3 | 1 |
| 109 | | Jackson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | | Jefferson | 122 | 115 | 77 | 107 | 77 | 79 | 90 |
| 113 | | Jessamine | 6 | 6 | 5 | 7 | 4 | 7 | 6 |
| 115 | | Johnson | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 117 | | Kenton | 13 | 16 | 6 | 11 | 17 | 6 | 10 |
| 119 | | Knott | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 121 | | Knox | 0 | 0 | 1 | 0 | 2 | 1 | 1 |
| 123 | | Larue | 0 | 1 | 1 | 3 | 4 | 3 | 2 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| KENTUCKY | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|-------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 125 | Laurel | 2 | 1 | 1 | 0 | 0 | 1 | 1 |
| 127 | Lawrence | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 129 | Lee | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 131 | Leslie | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 133 | Letcher | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135 | Lewis | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 137 | Lincoln | 0 | 0 | 0 | 0 | 2 | 1 | 1 |
| 139 | Livingston | 0 | 4 | 0 | 1 | 0 | 0 | 0 |
| 141 | Logan | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 143 | Lyon | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 145 | McCracken | 2 | 1 | 1 | 0 | 5 | 8 | 3 |
| 147 | McCreary | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 149 | McLean | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 151 | Madison | 3 | 5 | 1 | 2 | 5 | 4 | 4 |
| 153 | Magoffin | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 155 | Marion | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| 157 | Marshall | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 159 | Martin | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 | Mason | 2 | 1 | 2 | 1 | 3 | 0 | 2 |
| 163 | Meade | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 165 | Menifee | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167 | Mercer | 0 | 5 | 5 | 1 | 1 | 0 | 2 |
| 169 | Metcalfe | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 171 | Monroe | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 173 | Montgomery | 0 | 1 | 0 | 0 | 1 | 1 | 1 |
| 175 | Morgan | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 177 | Muhlenberg | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| 179 | Nelson | 2 | 2 | 1 | 1 | 1 | 0 | 2 |
| 181 | Nicholas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 183 | Ohio | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 185 | Oldham | 2 | 5 | 1 | 2 | 3 | 7 | 4 |
| 187 | Owen | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 189 | Owsley | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 | Pendleton | 0 | 5 | 5 | 6 | 1 | 0 | 4 |
| 193 | Perry | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 195 | Pike | 1 | 5 | 0 | 1 | 2 | 4 | 1 |
| 197 | Powell | 0 | 1 | 0 | 2 | 0 | 2 | 2 |
| 199 | Pulaski | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 201 | Robertson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 203 | Rockcastle | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 205 | Rowan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 | Russell | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 209 | Scott | 4 | 0 | 3 | 2 | 6 | 4 | 4 |
| 211 | Shelby | 2 | 4 | 4 | 3 | 2 | 3 | 3 |
| 213 | Simpson | 2 | 1 | 1 | 1 | 3 | 1 | 0 |
| 215 | Spencer | 2 | 1 | 0 | 1 | 0 | 0 | 0 |
| 217 | Taylor | 1 | 4 | 2 | 3 | 0 | 0 | 3 |
| 219 | Todd | 1 | 1 | 0 | 0 | 0 | 1 | 2 |
| 221 | Trigg | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 223 | Trimble | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 225 | Union | 2 | 1 | 0 | 2 | 1 | 3 | 1 |
| 227 | Warren | 3 | 3 | 3 | 4 | 8 | 9 | 9 |
| 229 | Washington | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| 231 | Wayne | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 233 | Webster | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 235 | Whitley | 0 | 0 | 1 | 1 | 2 | 1 | 1 |
| 237 | Wolfe | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 239 | Woodford | 4 | 8 | 7 | 5 | 11 | 7 | 6 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 283 | 321 | 260 | 279 | 285 | 273 | 319 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

LOUISIANA

**Alphabetic Code: LA
Numeric Code: 22**

| Code | Parish | Year of Utility Patent Grant | | | | | | |
|------|----------------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Acadia | 2 | 3 | 2 | 3 | 3 | 1 | 4 |
| 003 | Allen | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 005 | Ascension | 5 | 4 | 5 | 9 | 7 | 4 | 6 |
| 007 | Assumption | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | Avoyelles | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| 011 | Beauregard | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 013 | Bienville | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 015 | Bossier | 22 | 17 | 15 | 12 | 14 | 13 | 11 |
| 017 | Caddo | 11 | 10 | 8 | 10 | 8 | 11 | 10 |
| 019 | Calcasieu | 12 | 13 | 13 | 11 | 15 | 12 | 10 |
| 021 | Caldwell | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | Cameron | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 025 | Catahoula | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 027 | Claiborne | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 029 | Concordia | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| 031 | De Soto | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 033 | East Baton Rouge | 180 | 194 | 171 | 158 | 138 | 134 | 110 |
| 035 | East Carroll | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 037 | East Feliciana | 0 | 1 | 2 | 1 | 1 | 1 | 0 |
| 039 | Evangeline | 0 | 2 | 1 | 1 | 0 | 0 | 2 |
| 041 | Franklin | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 043 | Grant | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 045 | Iberia | 4 | 5 | 17 | 8 | 6 | 5 | 5 |
| 047 | Iberville | 1 | 0 | 3 | 4 | 1 | 2 | 0 |
| 049 | Jackson | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| 051 | Jefferson | 43 | 40 | 44 | 54 | 54 | 35 | 57 |
| 053 | Jefferson Davis | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 055 | Lafayette | 31 | 33 | 26 | 27 | 23 | 31 | 31 |
| 057 | Lafourche | 6 | 7 | 6 | 4 | 7 | 2 | 3 |
| 059 | La Salle | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 061 | Lincoln | 1 | 2 | 3 | 3 | 2 | 1 | 3 |
| 063 | Livingston | 4 | 5 | 4 | 3 | 4 | 9 | 7 |
| 065 | Madison | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 067 | Morehouse | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 069 | Natchitoches | 0 | 2 | 1 | 0 | 1 | 0 | 2 |
| 071 | Orleans | 52 | 48 | 58 | 41 | 32 | 34 | 44 |
| 073 | Ouachita | 16 | 14 | 15 | 11 | 14 | 6 | 15 |
| 075 | Plaquemines | 2 | 1 | 4 | 1 | 2 | 1 | 3 |
| 077 | Pointe Coupee | 0 | 1 | 3 | 1 | 0 | 0 | 0 |
| 079 | Rapides | 9 | 7 | 7 | 3 | 7 | 4 | 11 |
| 081 | Red River | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 083 | Richland | 3 | 1 | 3 | 2 | 6 | 2 | 2 |
| 085 | Sabine | 2 | 1 | 0 | 0 | 1 | 1 | 0 |
| 087 | St. Bernard | 1 | 3 | 3 | 2 | 1 | 1 | 3 |
| 089 | St. Charles | 0 | 4 | 4 | 4 | 2 | 5 | 4 |
| 091 | St. Helena | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 093 | St. James | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 095 | St. John the Baptist | 2 | 4 | 3 | 7 | 1 | 1 | 5 |
| 097 | St. Landry | 2 | 1 | 2 | 2 | 3 | 2 | 2 |
| 099 | St. Martin | 5 | 5 | 3 | 2 | 3 | 4 | 8 |
| 101 | St. Mary | 3 | 2 | 0 | 5 | 4 | 4 | 2 |
| 103 | St. Tammany | 19 | 15 | 30 | 18 | 10 | 18 | 19 |
| 105 | Tangipahoa | 4 | 4 | 5 | 2 | 4 | 4 | 2 |
| 107 | Tensas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | Terrebonne | 11 | 9 | 10 | 9 | 8 | 10 | 4 |
| 111 | Union | 1 | 1 | 0 | 1 | 1 | 2 | 1 |
| 113 | Vermilion | 2 | 1 | 4 | 1 | 6 | 1 | 4 |
| 115 | Vernon | 2 | 2 | 2 | 2 | 4 | 1 | 1 |
| 117 | Washington | 0 | 1 | 2 | 0 | 0 | 2 | 0 |
| 119 | Webster | 1 | 3 | 1 | 6 | 4 | 1 | 1 |
| 121 | West Baton Rouge | 4 | 1 | 1 | 0 | 1 | 3 | 1 |
| 123 | West Carroll | 0 | 0 | 0 | 1 | 0 | 0 | 1 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| LOUISIANA | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-----------|----------------|-------------|------|------|------|------|------|------|------|
| | | (continued) | | | | | | | |
| 125 | West Feliciana | | 1 | 1 | 2 | 1 | 1 | 0 | 1 |
| 127 | Winn | | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| 999 | UNKNOWN | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | | 470 | 473 | 489 | 438 | 407 | 372 | 402 |

MAINE

Alphabetic Code: ME
Numeric Code: 23

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------------|------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Androscoggin | | 9 | 5 | 8 | 7 | 3 | 4 | 5 |
| 003 | Aroostook | | 3 | 3 | 3 | 3 | 2 | 7 | 7 |
| 005 | Cumberland | | 35 | 28 | 35 | 48 | 42 | 31 | 33 |
| 007 | Franklin | | 0 | 0 | 1 | 2 | 1 | 1 | 1 |
| 009 | Hancock | | 7 | 4 | 2 | 7 | 5 | 3 | 3 |
| 011 | Kennebec | | 5 | 5 | 6 | 4 | 8 | 8 | 5 |
| 013 | Knox | | 6 | 4 | 3 | 5 | 6 | 5 | 7 |
| 015 | Lincoln | | 1 | 1 | 5 | 2 | 2 | 4 | 5 |
| 017 | Oxford | | 1 | 2 | 4 | 2 | 2 | 3 | 0 |
| 019 | Penobscot | | 5 | 3 | 2 | 1 | 6 | 2 | 4 |
| 021 | Piscataquis | | 0 | 0 | 1 | 1 | 2 | 1 | 0 |
| 023 | Sagadahoc | | 0 | 0 | 3 | 2 | 0 | 3 | 1 |
| 025 | Somerset | | 2 | 0 | 1 | 0 | 3 | 3 | 3 |
| 027 | Waldo | | 3 | 5 | 1 | 2 | 2 | 0 | 0 |
| 029 | Washington | | 1 | 2 | 0 | 2 | 0 | 3 | 0 |
| 031 | York | | 25 | 32 | 32 | 27 | 36 | 35 | 24 |
| 999 | UNKNOWN | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | | 103 | 94 | 107 | 115 | 120 | 113 | 98 |

MARYLAND

Alphabetic Code: MD
Numeric Code: 24

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|------------------|------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Allegany | | 1 | 3 | 4 | 1 | 6 | 4 | 1 |
| 003 | Anne Arundel | | 70 | 93 | 83 | 92 | 111 | 76 | 105 |
| 005 | Baltimore | | 94 | 81 | 89 | 75 | 105 | 86 | 99 |
| 009 | Calvert | | 4 | 4 | 7 | 3 | 3 | 3 | 8 |
| 011 | Caroline | | 1 | 1 | 1 | 0 | 1 | 1 | 3 |
| 013 | Carroll | | 19 | 21 | 16 | 23 | 18 | 14 | 27 |
| 015 | Cecil | | 14 | 20 | 28 | 25 | 20 | 23 | 34 |
| 017 | Charles | | 10 | 12 | 8 | 16 | 16 | 8 | 3 |
| 019 | Dorchester | | 3 | 2 | 3 | 2 | 2 | 2 | 2 |
| 021 | Frederick | | 27 | 28 | 34 | 37 | 28 | 42 | 40 |
| 023 | Garrett | | 1 | 5 | 1 | 1 | 0 | 2 | 2 |
| 025 | Harford | | 25 | 47 | 41 | 35 | 46 | 28 | 35 |
| 027 | Howard | | 78 | 83 | 106 | 118 | 106 | 113 | 107 |
| 029 | Kent | | 1 | 2 | 2 | 2 | 3 | 1 | 1 |
| 031 | Montgomery | | 306 | 287 | 319 | 355 | 380 | 365 | 441 |
| 033 | Prince George's | | 68 | 74 | 91 | 83 | 85 | 92 | 86 |
| 035 | Queen Anne's | | 4 | 4 | 7 | 3 | 5 | 7 | 3 |
| 037 | St. Mary's | | 1 | 2 | 3 | 3 | 2 | 5 | 2 |
| 039 | Somerset | | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 041 | Talbot | | 3 | 5 | 4 | 4 | 1 | 6 | 1 |
| 043 | Washington | | 8 | 7 | 12 | 12 | 6 | 5 | 4 |
| 045 | Wicomico | | 4 | 2 | 3 | 7 | 9 | 1 | 7 |
| 047 | Worcester | | 4 | 0 | 3 | 2 | 2 | 1 | 0 |
| 510 | Baltimore (city) | | 79 | 68 | 97 | 99 | 104 | 101 | 94 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| MARYLAND | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-----------------|-------------|---------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 999 | (continued) | UNKNOWN | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | | TOTAL | 825 | 852 | 962 | 999 | 1060 | 986 | 1105 |

MASSACHUSETTS

**Alphabetic Code: MA
Numeric Code: 25**

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|-------------|---------------|-------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Barnstable | 29 | 42 | 41 | 45 | 32 | 40 | 46 | |
| 003 | Berkshire | 35 | 49 | 34 | 34 | 23 | 12 | 28 | |
| 005 | Bristol | 62 | 77 | 65 | 78 | 122 | 87 | 95 | |
| 007 | Dukes | 0 | 0 | 2 | 1 | 2 | 3 | 1 | |
| 009 | Essex | 196 | 219 | 199 | 224 | 252 | 230 | 264 | |
| 011 | Franklin | 11 | 10 | 10 | 9 | 9 | 6 | 10 | |
| 013 | Hampden | 54 | 57 | 58 | 52 | 67 | 58 | 60 | |
| 015 | Hampshire | 22 | 32 | 43 | 20 | 34 | 37 | 32 | |
| 017 | Middlesex | 931 | 909 | 1069 | 1033 | 1036 | 995 | 1102 | |
| 019 | Nantucket | 0 | 1 | 0 | 0 | 3 | 0 | 2 | |
| 021 | Norfolk | 275 | 273 | 295 | 303 | 325 | 275 | 313 | |
| 023 | Plymouth | 67 | 72 | 66 | 66 | 62 | 76 | 77 | |
| 025 | Suffolk | 84 | 79 | 105 | 132 | 132 | 123 | 148 | |
| 027 | Worcester | 191 | 216 | 241 | 211 | 237 | 220 | 274 | |
| 999 | UNKNOWN | 0 | 0 | 0 | 1 | 0 | 1 | 0 | |
| | TOTAL | 1957 | 2036 | 2228 | 2209 | 2336 | 2163 | 2452 | |

MICHIGAN

**Alphabetic Code: MI
Numeric Code: 26**

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|-------------|----------------|-------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Alcona | 0 | 2 | 0 | 0 | 0 | 1 | 0 | |
| 003 | Alger | 0 | 2 | 1 | 1 | 0 | 1 | 1 | |
| 005 | Allegan | 37 | 49 | 49 | 43 | 48 | 41 | 47 | |
| 007 | Alpena | 2 | 0 | 1 | 0 | 0 | 1 | 0 | |
| 009 | Antrim | 3 | 2 | 1 | 1 | 2 | 0 | 4 | |
| 011 | Arenac | 5 | 4 | 4 | 2 | 3 | 0 | 6 | |
| 013 | Baraga | 1 | 0 | 0 | 0 | 2 | 1 | 0 | |
| 015 | Barry | 3 | 7 | 4 | 4 | 4 | 11 | 5 | |
| 017 | Bay | 141 | 145 | 153 | 127 | 121 | 114 | 123 | |
| 019 | Benzie | 0 | 1 | 0 | 0 | 0 | 0 | 0 | |
| 021 | Berrien | 43 | 59 | 46 | 61 | 57 | 39 | 37 | |
| 023 | Branch | 4 | 4 | 2 | 1 | 7 | 3 | 9 | |
| 025 | Calhoun | 25 | 20 | 28 | 31 | 25 | 22 | 17 | |
| 027 | Cass | 9 | 10 | 19 | 14 | 8 | 8 | 10 | |
| 029 | Charlevoix | 1 | 3 | 3 | 3 | 2 | 4 | 2 | |
| 031 | Cheboygan | 1 | 2 | 1 | 0 | 2 | 3 | 0 | |
| 033 | Chippewa | 0 | 1 | 1 | 1 | 0 | 0 | 3 | |
| 035 | Clare | 2 | 2 | 2 | 3 | 5 | 5 | 1 | |
| 037 | Clinton | 2 | 1 | 3 | 8 | 5 | 5 | 7 | |
| 039 | Crawford | 0 | 1 | 1 | 0 | 1 | 0 | 0 | |
| 041 | Delta | 7 | 4 | 6 | 3 | 5 | 5 | 8 | |
| 043 | Dickinson | 0 | 3 | 1 | 1 | 4 | 2 | 1 | |
| 045 | Eaton | 14 | 18 | 15 | 8 | 9 | 13 | 16 | |
| 047 | Emmet | 3 | 4 | 2 | 0 | 3 | 5 | 2 | |
| 049 | Genesee | 48 | 55 | 85 | 55 | 66 | 58 | 60 | |
| 051 | Gladwin | 2 | 4 | 7 | 9 | 2 | 0 | 2 | |
| 053 | Gogebic | 4 | 2 | 0 | 1 | 1 | 1 | 1 | |
| 055 | Grand Traverse | 6 | 5 | 7 | 7 | 3 | 4 | 9 | |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| MICHIGAN | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|--------------|------|------|------|------|------|------|------|
| 057 | Gratiot | 2 | 2 | 6 | 3 | 4 | 3 | 2 |
| 059 | Hillsdale | 1 | 2 | 6 | 2 | 1 | 5 | 5 |
| 061 | Houghton | 11 | 14 | 13 | 8 | 7 | 4 | 5 |
| 063 | Huron | 2 | 2 | 1 | 1 | 4 | 3 | 6 |
| 065 | Ingham | 28 | 29 | 57 | 41 | 37 | 44 | 61 |
| 067 | Ionia | 4 | 3 | 4 | 5 | 4 | 5 | 2 |
| 069 | Iosco | 3 | 3 | 2 | 2 | 0 | 3 | 1 |
| 071 | Iron | 1 | 2 | 1 | 2 | 1 | 0 | 0 |
| 073 | Isabella | 5 | 7 | 8 | 6 | 9 | 6 | 5 |
| 075 | Jackson | 31 | 36 | 46 | 36 | 37 | 27 | 28 |
| 077 | Kalamazoo | 72 | 70 | 90 | 96 | 79 | 81 | 95 |
| 079 | Kalkaska | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 081 | Kent | 88 | 96 | 113 | 107 | 125 | 105 | 120 |
| 083 | Keweenaw | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 085 | Lake | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 087 | Lapeer | 18 | 22 | 18 | 22 | 22 | 21 | 21 |
| 089 | Leelanau | 7 | 6 | 5 | 6 | 5 | 5 | 6 |
| 091 | Lenawee | 18 | 27 | 23 | 39 | 28 | 20 | 22 |
| 093 | Livingston | 30 | 49 | 32 | 42 | 56 | 56 | 89 |
| 095 | Luce | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 097 | Mackinac | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 099 | Macomb | 236 | 271 | 245 | 267 | 255 | 232 | 240 |
| 101 | Manistee | 0 | 2 | 5 | 0 | 2 | 5 | 2 |
| 103 | Marquette | 1 | 3 | 2 | 1 | 3 | 5 | 2 |
| 105 | Mason | 1 | 3 | 1 | 2 | 0 | 1 | 6 |
| 107 | Mecosta | 2 | 5 | 5 | 1 | 2 | 1 | 4 |
| 109 | Menominee | 0 | 1 | 1 | 1 | 1 | 1 | 3 |
| 111 | Midland | 135 | 146 | 147 | 123 | 112 | 110 | 113 |
| 113 | Missaukee | 1 | 1 | 0 | 0 | 0 | 1 | 1 |
| 115 | Monroe | 14 | 21 | 21 | 22 | 35 | 24 | 42 |
| 117 | Montcalm | 8 | 4 | 8 | 10 | 6 | 8 | 6 |
| 119 | Montmorency | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 121 | Muskegon | 19 | 35 | 19 | 20 | 31 | 30 | 21 |
| 123 | Newaygo | 1 | 1 | 1 | 3 | 1 | 0 | 4 |
| 125 | Oakland | 672 | 730 | 735 | 809 | 757 | 759 | 891 |
| 127 | Oceana | 0 | 3 | 4 | 8 | 7 | 11 | 17 |
| 129 | Ogemaw | 1 | 1 | 1 | 0 | 2 | 0 | 0 |
| 131 | Ontonagon | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 133 | Osceola | 4 | 7 | 5 | 4 | 7 | 5 | 8 |
| 135 | Oscoda | 2 | 0 | 1 | 1 | 1 | 1 | 6 |
| 137 | Otsego | 4 | 0 | 1 | 0 | 3 | 1 | 2 |
| 139 | Ottawa | 76 | 80 | 86 | 87 | 87 | 84 | 87 |
| 141 | Presque Isle | 4 | 0 | 3 | 2 | 1 | 3 | 2 |
| 143 | Roscommon | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| 145 | Saginaw | 42 | 36 | 40 | 30 | 47 | 37 | 41 |
| 147 | St. Clair | 41 | 43 | 30 | 26 | 24 | 22 | 34 |
| 149 | St. Joseph | 8 | 12 | 14 | 11 | 14 | 11 | 6 |
| 151 | Sanilac | 3 | 3 | 6 | 4 | 4 | 7 | 6 |
| 153 | Schoolcraft | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 | Shiawassee | 7 | 18 | 10 | 9 | 11 | 9 | 5 |
| 157 | Tuscola | 11 | 16 | 13 | 17 | 7 | 23 | 21 |
| 159 | Van Buren | 8 | 5 | 4 | 4 | 12 | 6 | 14 |
| 161 | Washtenaw | 188 | 197 | 171 | 202 | 247 | 222 | 258 |
| 163 | Wayne | 358 | 376 | 385 | 416 | 444 | 424 | 498 |
| 165 | Wexford | 3 | 10 | 8 | 3 | 6 | 3 | 4 |
| 999 | UNKNOWN | 0 | 2 | 1 | 0 | 0 | 0 | 0 |
| | TOTAL | 2535 | 2815 | 2842 | 2886 | 2936 | 2785 | 3186 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

MINNESOTA

**Alphabetic Code: MN
Numeric Code: 27**

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|-------------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Aitkin | 1 | 2 | 1 | 0 | 0 | 1 | 1 |
| 003 | Anoka | 61 | 68 | 64 | 84 | 112 | 85 | 84 |
| 005 | Becker | 3 | 0 | 2 | 2 | 2 | 1 | 1 |
| 007 | Beltrami | 2 | 3 | 1 | 3 | 3 | 1 | 0 |
| 009 | Benton | 2 | 4 | 3 | 5 | 5 | 4 | 3 |
| 011 | Big Stone | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | Blue Earth | 3 | 6 | 4 | 6 | 7 | 8 | 10 |
| 015 | Brown | 0 | 2 | 1 | 1 | 0 | 1 | 2 |
| 017 | Carlton | 3 | 2 | 1 | 2 | 2 | 1 | 3 |
| 019 | Carver | 15 | 12 | 13 | 25 | 26 | 18 | 21 |
| 021 | Cass | 1 | 1 | 2 | 0 | 1 | 4 | 2 |
| 023 | Chippewa | 0 | 2 | 2 | 0 | 0 | 1 | 3 |
| 025 | Chisago | 5 | 7 | 6 | 5 | 10 | 7 | 7 |
| 027 | Clay | 2 | 4 | 6 | 5 | 1 | 9 | 7 |
| 029 | Clearwater | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 031 | Cook | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 033 | Cottonwood | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
| 035 | Crow Wing | 7 | 7 | 2 | 4 | 7 | 10 | 5 |
| 037 | Dakota | 99 | 93 | 83 | 124 | 117 | 139 | 141 |
| 039 | Dodge | 4 | 5 | 10 | 3 | 1 | 5 | 5 |
| 041 | Douglas | 6 | 4 | 5 | 8 | 5 | 9 | 3 |
| 043 | Faribault | 2 | 2 | 0 | 1 | 4 | 2 | 0 |
| 045 | Fillmore | 2 | 1 | 2 | 5 | 4 | 2 | 2 |
| 047 | Freeborn | 4 | 3 | 2 | 2 | 3 | 2 | 3 |
| 049 | Goodhue | 10 | 2 | 13 | 13 | 8 | 8 | 10 |
| 051 | Grant | 0 | 1 | 1 | 1 | 0 | 0 | 2 |
| 053 | Hennepin | 492 | 471 | 494 | 526 | 569 | 487 | 569 |
| 055 | Houston | 3 | 6 | 1 | 4 | 3 | 2 | 3 |
| 057 | Hubbard | 0 | 1 | 0 | 2 | 1 | 0 | 0 |
| 059 | Isanti | 6 | 5 | 6 | 3 | 2 | 3 | 3 |
| 061 | Itasca | 1 | 7 | 6 | 6 | 2 | 2 | 1 |
| 063 | Jackson | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 065 | Kanabec | 3 | 4 | 1 | 2 | 0 | 0 | 2 |
| 067 | Kandiyohi | 7 | 2 | 5 | 1 | 5 | 9 | 6 |
| 069 | Kitson | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 071 | Koochiching | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| 073 | Lac qui Parle | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 075 | Lake | 3 | 3 | 2 | 1 | 1 | 2 | 1 |
| 077 | Lake of the Woods | 1 | 0 | 0 | 1 | 0 | 1 | 0 |
| 079 | Le Sueur | 6 | 4 | 5 | 5 | 7 | 4 | 9 |
| 081 | Lincoln | 1 | 1 | 2 | 0 | 0 | 0 | 0 |
| 083 | Lyon | 2 | 0 | 0 | 1 | 0 | 0 | 1 |
| 085 | McLeod | 0 | 4 | 8 | 4 | 4 | 14 | 4 |
| 087 | Mahnomen | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 089 | Marshall | 2 | 2 | 1 | 3 | 0 | 1 | 1 |
| 091 | Martin | 1 | 0 | 4 | 5 | 2 | 3 | 2 |
| 093 | Meeker | 2 | 2 | 1 | 2 | 3 | 5 | 3 |
| 095 | Mille Lacs | 1 | 2 | 0 | 3 | 3 | 1 | 3 |
| 097 | Morrison | 1 | 0 | 2 | 2 | 0 | 1 | 0 |
| 099 | Mower | 3 | 2 | 1 | 1 | 3 | 2 | 2 |
| 101 | Murray | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 103 | Nicollet | 4 | 3 | 1 | 5 | 5 | 4 | 5 |
| 105 | Nobles | 1 | 1 | 2 | 4 | 3 | 4 | 1 |
| 107 | Norman | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 109 | Olmsted | 51 | 37 | 38 | 64 | 85 | 77 | 102 |
| 111 | Otter Tail | 3 | 0 | 1 | 4 | 4 | 1 | 4 |
| 113 | Pennington | 1 | 6 | 3 | 2 | 0 | 3 | 3 |
| 115 | Pine | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 117 | Pipestone | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 119 | Polk | 3 | 3 | 3 | 2 | 2 | 2 | 3 |
| 121 | Pope | 1 | 4 | 1 | 3 | 0 | 2 | 0 |
| 123 | Ramsey | 288 | 304 | 311 | 298 | 331 | 326 | 319 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| MINNESOTA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|-----------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 125 | Red Lake | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| 127 | Redwood | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| 129 | Renville | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| 131 | Rice | 2 | 4 | 6 | 4 | 5 | 8 | 12 |
| 133 | Rock | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 135 | Roseau | 0 | 2 | 4 | 2 | 4 | 2 | 2 |
| 137 | St. Louis | 10 | 15 | 13 | 15 | 20 | 15 | 17 |
| 139 | Scott | 16 | 28 | 31 | 21 | 27 | 30 | 31 |
| 141 | Sherburne | 5 | 7 | 16 | 15 | 7 | 12 | 12 |
| 143 | Sibley | 0 | 0 | 1 | 0 | 2 | 1 | 1 |
| 145 | Stearns | 5 | 7 | 5 | 5 | 7 | 5 | 9 |
| 147 | Steele | 13 | 12 | 16 | 13 | 11 | 16 | 13 |
| 149 | Stevens | 0 | 0 | 1 | 1 | 2 | 0 | 1 |
| 151 | Swift | 1 | 0 | 2 | 1 | 3 | 0 | 2 |
| 153 | Todd | 2 | 2 | 1 | 0 | 1 | 1 | 2 |
| 155 | Traverse | 0 | 1 | 0 | 2 | 0 | 0 | 3 |
| 157 | Wabasha | 1 | 1 | 0 | 2 | 2 | 2 | 4 |
| 159 | Wadena | 1 | 2 | 0 | 0 | 1 | 1 | 0 |
| 161 | Waseca | 3 | 7 | 4 | 4 | 2 | 4 | 4 |
| 163 | Washington | 117 | 121 | 144 | 183 | 241 | 272 | 275 |
| 165 | Watonwan | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 167 | Wilkin | 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| 169 | Winona | 7 | 6 | 5 | 6 | 9 | 4 | 5 |
| 171 | Wright | 15 | 22 | 19 | 21 | 22 | 11 | 9 |
| 173 | Yellow Medicine | 0 | 1 | 1 | 0 | 1 | 1 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| TOTAL | | 1322 | 1351 | 1397 | 1552 | 1725 | 1663 | 1775 |

MISSISSIPPI

Alphabetic Code: MS
Numeric Code: 28

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|-----------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Adams | 1 | 1 | 1 | 0 | 2 | 1 | 1 |
| 003 | Alcorn | 1 | 0 | 4 | 1 | 1 | 0 | 1 |
| 005 | Amite | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 007 | Attala | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 009 | Benton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 011 | Bolivar | 0 | 0 | 0 | 1 | 2 | 0 | 1 |
| 013 | Calhoun | 1 | 2 | 1 | 0 | 0 | 0 | 1 |
| 015 | Carroll | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 017 | Chickasaw | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| 019 | Choctaw | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 021 | Claiborne | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | Clarke | 0 | 0 | 1 | 0 | 2 | 0 | 0 |
| 025 | Clay | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 027 | Coahoma | 2 | 0 | 1 | 2 | 0 | 0 | 0 |
| 029 | Copiah | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 031 | Covington | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 033 | DeSoto | 7 | 0 | 4 | 2 | 4 | 3 | 9 |
| 035 | Forrest | 3 | 7 | 4 | 3 | 2 | 3 | 4 |
| 037 | Franklin | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 039 | George | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 041 | Greene | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 043 | Grenada | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 045 | Hancock | 1 | 1 | 2 | 1 | 4 | 2 | 2 |
| 047 | Harrison | 11 | 10 | 7 | 11 | 7 | 9 | 10 |
| 049 | Hinds | 7 | 8 | 7 | 4 | 8 | 4 | 4 |
| 051 | Holmes | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 053 | Humphreys | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 055 | Issaquena | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 057 | Itawamba | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 059 | Jackson | 7 | 6 | 7 | 8 | 8 | 5 | 4 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| MISSISSIPPI | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|-----------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 061 | Jasper | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 063 | Jefferson | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 065 | Jefferson Davis | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 067 | Jones | 2 | 3 | 6 | 2 | 0 | 3 | 2 |
| 069 | Kemper | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 071 | Lafayette | 5 | 1 | 2 | 5 | 2 | 3 | 6 |
| 073 | Lamar | 3 | 8 | 6 | 3 | 2 | 3 | 4 |
| 075 | Lauderdale | 3 | 3 | 5 | 4 | 3 | 6 | 6 |
| 077 | Lawrence | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 079 | Leake | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 081 | Lee | 5 | 10 | 7 | 8 | 9 | 8 | 18 |
| 083 | Leflore | 3 | 0 | 0 | 1 | 2 | 1 | 0 |
| 085 | Lincoln | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 087 | Lowndes | 3 | 5 | 6 | 3 | 8 | 8 | 10 |
| 089 | Madison | 4 | 5 | 3 | 1 | 3 | 3 | 3 |
| 091 | Marion | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| 093 | Marshall | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 095 | Monroe | 2 | 3 | 2 | 0 | 1 | 0 | 0 |
| 097 | Montgomery | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 099 | Neshoba | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| 101 | Newton | 3 | 0 | 1 | 1 | 0 | 0 | 1 |
| 103 | Noxubee | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 105 | Oktibbeha | 7 | 5 | 8 | 3 | 4 | 6 | 8 |
| 107 | Panola | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 109 | Pearl River | 6 | 1 | 1 | 2 | 4 | 5 | 1 |
| 111 | Perry | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 113 | Pike | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 115 | Pontotoc | 0 | 2 | 0 | 1 | 0 | 0 | 1 |
| 117 | Prentiss | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 119 | Quitman | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 121 | Rankin | 7 | 6 | 4 | 7 | 14 | 8 | 9 |
| 123 | Scott | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 125 | Sharkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127 | Simpson | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 129 | Smith | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| 131 | Stone | 0 | 0 | 0 | 2 | 1 | 2 | 0 |
| 133 | Sunflower | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 135 | Tallahatchie | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 137 | Tate | 3 | 2 | 3 | 1 | 2 | 0 | 0 |
| 139 | Tippah | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 141 | Tishomingo | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 143 | Tunica | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 145 | Union | 1 | 1 | 1 | 2 | 3 | 1 | 2 |
| 147 | Walthall | 0 | 0 | 2 | 2 | 0 | 0 | 1 |
| 149 | Warren | 4 | 1 | 5 | 7 | 12 | 9 | 14 |
| 151 | Washington | 6 | 2 | 5 | 3 | 1 | 1 | 5 |
| 153 | Wayne | 0 | 0 | 1 | 1 | 0 | 2 | 1 |
| 155 | Webster | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 157 | Wilkinson | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 159 | Winston | 0 | 1 | 1 | 2 | 1 | 0 | 1 |
| 161 | Yalobusha | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 163 | Yazoo | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 118 | 102 | 125 | 105 | 121 | 109 | 138 |

MISSOURI

Alphabetic Code: MO
Numeric Code: 29

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|----------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adair | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| 003 | | Andrew | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 005 | | Atchison | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| MISSOURI | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|----------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 007 | Audrain | 4 | 6 | 3 | 3 | 3 | 1 | 2 |
| 009 | Barry | 2 | 1 | 1 | 0 | 2 | 1 | 1 |
| 011 | Barton | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 013 | Bates | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 015 | Benton | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 017 | Bollinger | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 019 | Boone | 18 | 20 | 20 | 16 | 13 | 22 | 17 |
| 021 | Buchanan | 4 | 4 | 2 | 7 | 8 | 8 | 8 |
| 023 | Butler | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 025 | Caldwell | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | Callaway | 7 | 2 | 7 | 2 | 2 | 5 | 3 |
| 029 | Camden | 2 | 2 | 3 | 2 | 1 | 2 | 3 |
| 031 | Cape Girardeau | 2 | 1 | 2 | 2 | 1 | 1 | 3 |
| 033 | Carroll | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 035 | Carter | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 037 | Cass | 18 | 16 | 17 | 16 | 16 | 18 | 20 |
| 039 | Cedar | 0 | 1 | 0 | 1 | 1 | 1 | 1 |
| 041 | Chariton | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 043 | Christian | 23 | 22 | 16 | 12 | 16 | 16 | 13 |
| 045 | Clark | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 047 | Clay | 16 | 25 | 18 | 18 | 13 | 20 | 20 |
| 049 | Clinton | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| 051 | Cole | 1 | 1 | 3 | 1 | 2 | 3 | 2 |
| 053 | Cooper | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 055 | Crawford | 1 | 2 | 2 | 1 | 2 | 3 | 1 |
| 057 | Dade | 1 | 1 | 1 | 0 | 0 | 3 | 3 |
| 059 | Dallas | 0 | 2 | 0 | 0 | 0 | 2 | 2 |
| 061 | Daviess | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 063 | DeKalb | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 065 | Dent | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 067 | Douglas | 2 | 0 | 0 | 1 | 0 | 0 | 0 |
| 069 | Dunklin | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 071 | Franklin | 10 | 10 | 9 | 5 | 12 | 11 | 8 |
| 073 | Gasconade | 0 | 1 | 0 | 0 | 1 | 2 | 1 |
| 075 | Gentry | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 077 | Greene | 22 | 18 | 16 | 13 | 19 | 18 | 18 |
| 079 | Grundy | 0 | 2 | 1 | 0 | 0 | 0 | 1 |
| 081 | Harrison | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 083 | Henry | 0 | 1 | 2 | 0 | 3 | 2 | 0 |
| 085 | Hickory | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 087 | Holt | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 089 | Howard | 1 | 0 | 0 | 0 | 3 | 0 | 0 |
| 091 | Howell | 0 | 0 | 1 | 0 | 2 | 1 | 0 |
| 093 | Iron | 1 | 0 | 2 | 0 | 0 | 1 | 0 |
| 095 | Jackson | 29 | 26 | 31 | 28 | 28 | 28 | 31 |
| 097 | Jasper | 14 | 10 | 11 | 7 | 8 | 7 | 14 |
| 099 | Jefferson | 15 | 17 | 11 | 16 | 16 | 11 | 11 |
| 101 | Johnson | 1 | 2 | 2 | 2 | 0 | 4 | 4 |
| 103 | Knox | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 105 | Laclede | 0 | 3 | 3 | 3 | 4 | 1 | 1 |
| 107 | Lafayette | 1 | 1 | 5 | 2 | 2 | 1 | 1 |
| 109 | Lawrence | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| 111 | Lewis | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 113 | Lincoln | 0 | 1 | 0 | 0 | 0 | 2 | 1 |
| 115 | Linn | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 117 | Livingston | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 119 | McDonald | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 121 | Macon | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 123 | Madison | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 | Maries | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 127 | Marion | 1 | 1 | 1 | 3 | 0 | 0 | 0 |
| 129 | Mercer | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 131 | Miller | 0 | 2 | 1 | 2 | 1 | 0 | 2 |
| 133 | Mississippi | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 135 | Moniteau | 2 | 0 | 1 | 1 | 2 | 1 | 1 |
| 137 | Monroe | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 139 | Montgomery | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 141 | Morgan | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| MISSOURI | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|------------------|------|------|------|------|------|------|------|
| 143 | New Madrid | 2 | 0 | 0 | 3 | 1 | 0 | 1 |
| 145 | Newton | 4 | 5 | 3 | 5 | 5 | 4 | 8 |
| 147 | Nodaway | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 149 | Oregon | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 151 | Osage | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 153 | Ozark | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 155 | Pemiscot | 1 | 1 | 0 | 0 | 1 | 1 | 1 |
| 157 | Perry | 4 | 2 | 1 | 0 | 0 | 0 | 0 |
| 159 | Pettis | 0 | 1 | 5 | 1 | 1 | 0 | 1 |
| 161 | Phelps | 9 | 11 | 5 | 9 | 8 | 9 | 9 |
| 163 | Pike | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| 165 | Platte | 10 | 15 | 13 | 11 | 13 | 14 | 14 |
| 167 | Polk | 1 | 2 | 3 | 0 | 0 | 1 | 0 |
| 169 | Pulaski | 0 | 1 | 1 | 0 | 1 | 5 | 2 |
| 171 | Putnam | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 173 | Ralls | 0 | 1 | 1 | 2 | 0 | 0 | 0 |
| 175 | Randolph | 2 | 2 | 3 | 4 | 0 | 2 | 4 |
| 177 | Ray | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| 179 | Reynolds | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 181 | Ripley | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 183 | St. Charles | 28 | 52 | 39 | 43 | 48 | 53 | 68 |
| 185 | St. Clair | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 186 | Ste. Genevieve | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| 187 | St. Francois | 3 | 7 | 1 | 1 | 3 | 3 | 2 |
| 189 | St. Louis | 203 | 243 | 257 | 205 | 207 | 207 | 185 |
| 195 | Saline | 1 | 1 | 2 | 1 | 2 | 0 | 1 |
| 197 | Schuyler | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 199 | Scotland | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 201 | Scott | 3 | 1 | 1 | 2 | 2 | 0 | 2 |
| 203 | Shannon | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 205 | Shelby | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 | Stoddard | 0 | 1 | 0 | 1 | 1 | 1 | 2 |
| 209 | Stone | 3 | 2 | 3 | 1 | 1 | 1 | 0 |
| 211 | Sullivan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 213 | Taney | 0 | 1 | 0 | 2 | 1 | 3 | 2 |
| 215 | Texas | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 217 | Vernon | 2 | 0 | 0 | 1 | 2 | 3 | 1 |
| 219 | Warren | 4 | 2 | 7 | 2 | 1 | 5 | 0 |
| 221 | Washington | 1 | 2 | 2 | 0 | 0 | 0 | 0 |
| 223 | Wayne | 0 | 0 | 1 | 2 | 1 | 1 | 1 |
| 225 | Webster | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| 227 | Worth | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 229 | Wright | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
| 510 | St. Louis (city) | 127 | 159 | 159 | 169 | 147 | 152 | 146 |
| 999 | UNKNOWN | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | TOTAL | 622 | 728 | 709 | 640 | 637 | 675 | 661 |

MONTANA

Alphabetic Code: MT
Numeric Code: 30

| Code | County | Name | Year of Utility Patent Grant | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
| 001 | | Beaverhead | 1 | 1 | 0 | 0 | 1 | 0 |
| 003 | | Big Horn | 0 | 0 | 0 | 0 | 0 | 2 |
| 005 | | Blaine | 0 | 0 | 0 | 0 | 1 | 0 |
| 007 | | Broadwater | 1 | 0 | 0 | 1 | 0 | 2 |
| 009 | | Carbon | 0 | 1 | 0 | 1 | 1 | 1 |
| 011 | | Carter | 0 | 2 | 0 | 0 | 0 | 0 |
| 013 | | Cascade | 4 | 4 | 4 | 3 | 3 | 2 |
| 015 | | Chouteau | 2 | 0 | 0 | 0 | 0 | 0 |
| 017 | | Custer | 0 | 0 | 0 | 0 | 1 | 0 |
| 019 | | Daniels | 0 | 0 | 2 | 0 | 0 | 0 |
| 021 | | Dawson | 1 | 1 | 0 | 0 | 2 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| MONTANA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---------|---------------------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 023 | Deer Lodge | 0 | 0 | 1 | 1 | 0 | 1 | 0 |
| 025 | Fallon | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | Fergus | 0 | 1 | 0 | 2 | 0 | 1 | 0 |
| 029 | Flathead | 1 | 7 | 11 | 12 | 8 | 15 | 19 |
| 031 | Gallatin | 26 | 24 | 35 | 31 | 25 | 50 | 25 |
| 033 | Garfield | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 035 | Glacier | 1 | 1 | 0 | 0 | 0 | 2 | 0 |
| 037 | Golden Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 039 | Granite | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 041 | Hill | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| 043 | Jefferson | 2 | 0 | 2 | 1 | 0 | 0 | 0 |
| 045 | Judith Basin | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 047 | Lake | 1 | 2 | 2 | 2 | 5 | 3 | 5 |
| 049 | Lewis and Clarke | 4 | 3 | 1 | 1 | 0 | 2 | 5 |
| 051 | Liberty | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 053 | Lincoln | 0 | 2 | 0 | 1 | 2 | 1 | 2 |
| 055 | McCone | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 057 | Madison | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| 059 | Meagher | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 061 | Mineral | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 063 | Missoula | 7 | 10 | 8 | 11 | 14 | 14 | 11 |
| 065 | Musselshell | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 067 | Park | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| 069 | Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 071 | Phillips | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 073 | Pondera | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| 075 | Powder River | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 077 | Powell | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 079 | Prairie | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 081 | Ravalli | 1 | 4 | 2 | 3 | 7 | 5 | 2 |
| 083 | Richland | 0 | 1 | 0 | 2 | 1 | 1 | 1 |
| 085 | Roosevelt | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| 087 | Rosebud | 0 | 0 | 0 | 3 | 0 | 0 | 1 |
| 089 | Sanders | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 091 | Sheridan | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 093 | Silver Bow | 1 | 0 | 1 | 3 | 0 | 4 | 7 |
| 095 | Stillwater | 6 | 4 | 2 | 2 | 2 | 1 | 4 |
| 097 | Sweet Grass | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 099 | Teton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Toole | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 103 | Treasure | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Valley | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| 107 | Wheatland | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | Wibaux | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | Yellowstone | 8 | 8 | 10 | 9 | 5 | 11 | 5 |
| 113 | Yellowstone National Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | TOTAL | 68 | 82 | 87 | 90 | 84 | 121 | 112 |

NEBRASKA

Alphabetic Code: NE
Numeric Code: 31

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|-----------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adams | 3 | 1 | 3 | 4 | 1 | 2 | 0 |
| 003 | | Antelope | 0 | 0 | 4 | 2 | 2 | 0 | 0 |
| 005 | | Arthur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 007 | | Banner | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | | Blaine | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 011 | | Boone | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | | Box Butte | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 015 | | Boyd | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 017 | | Brown | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| NEBRASKA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 019 | Buffalo | 3 | 1 | 3 | 1 | 3 | 2 | 6 |
| 021 | Burt | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| 023 | Butler | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 025 | Cass | 0 | 0 | 0 | 0 | 2 | 1 | 1 |
| 027 | Cedar | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 029 | Chase | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 031 | Cherry | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 033 | Cheyenne | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 035 | Clay | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| 037 | Colfax | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 039 | Cuming | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 041 | Custer | 1 | 0 | 2 | 0 | 0 | 0 | 2 |
| 043 | Dakota | 0 | 1 | 2 | 1 | 5 | 2 | 1 |
| 045 | Dawes | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 047 | Dawson | 1 | 2 | 4 | 4 | 1 | 3 | 2 |
| 049 | Deuel | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 051 | Dixon | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 053 | Dodge | 0 | 0 | 2 | 2 | 2 | 0 | 2 |
| 055 | Douglas | 44 | 56 | 52 | 57 | 45 | 55 | 56 |
| 057 | Dundy | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 059 | Fillmore | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 061 | Franklin | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 063 | Frontier | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 065 | Furnas | 0 | 0 | 1 | 1 | 2 | 0 | 0 |
| 067 | Gage | 8 | 4 | 3 | 2 | 1 | 1 | 7 |
| 069 | Garden | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 071 | Garfield | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 073 | Gosper | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 075 | Grant | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 077 | Greeley | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 079 | Hall | 6 | 2 | 1 | 5 | 2 | 3 | 5 |
| 081 | Hamilton | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| 083 | Harlan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 085 | Hayes | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 087 | Hitchcock | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 089 | Holt | 2 | 1 | 0 | 0 | 2 | 1 | 0 |
| 091 | Hooker | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 093 | Howard | 0 | 0 | 1 | 0 | 1 | 2 | 0 |
| 095 | Jefferson | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 097 | Johnson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 099 | Kearney | 1 | 2 | 0 | 0 | 1 | 1 | 0 |
| 101 | Keith | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| 103 | Keya Paha | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | Kimball | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Knox | 0 | 1 | 1 | 2 | 0 | 0 | 1 |
| 109 | Lancaster | 37 | 41 | 34 | 47 | 48 | 38 | 44 |
| 111 | Lincoln | 0 | 1 | 1 | 1 | 2 | 0 | 4 |
| 113 | Logan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115 | Loup | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 117 | McPherson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 | Madison | 4 | 1 | 0 | 3 | 4 | 0 | 3 |
| 121 | Merrick | 0 | 2 | 1 | 1 | 1 | 0 | 0 |
| 123 | Morrill | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 | Nance | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 127 | Nemaha | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 129 | Nuckolls | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 131 | Otoe | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 133 | Pawnee | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 135 | Perkins | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| 137 | Phelps | 0 | 3 | 1 | 2 | 0 | 1 | 0 |
| 139 | Pierce | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 141 | Platte | 4 | 6 | 6 | 6 | 9 | 4 | 5 |
| 143 | Polk | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 145 | Red Willow | 0 | 1 | 0 | 1 | 4 | 1 | 0 |
| 147 | Richardson | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| 149 | Rock | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 151 | Saline | 0 | 2 | 2 | 3 | 0 | 0 | 1 |
| 153 | Sarpy | 1 | 3 | 2 | 8 | 8 | 4 | 6 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| NEBRASKA | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|--------------|------|------|------|------|------|------|------|
| 155 | Saunders | 0 | 0 | 2 | 1 | 2 | 0 | 0 |
| 157 | Scotts Bluff | 2 | 2 | 2 | 2 | 1 | 0 | 1 |
| 159 | Seward | 1 | 1 | 0 | 0 | 2 | 1 | 1 |
| 161 | Sheridan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 | Sherman | 0 | 0 | 2 | 0 | 0 | 1 | 0 |
| 165 | Sioux | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167 | Stanton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 169 | Thayer | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 171 | Thomas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 173 | Thurston | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 175 | Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177 | Washington | 4 | 2 | 1 | 1 | 0 | 1 | 0 |
| 179 | Wayne | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| 181 | Webster | 0 | 0 | 1 | 2 | 0 | 0 | 0 |
| 183 | Wheeler | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| 185 | York | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 131 | 145 | 144 | 169 | 167 | 135 | 167 |

NEVADA

Alphabetic Code: NV
Numeric Code: 32

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|--------------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Churchill | 0 | 0 | 1 | 1 | 2 | 0 | 1 |
| 003 | | Clark | 44 | 67 | 68 | 64 | 79 | 73 | 102 |
| 005 | | Douglas | 6 | 7 | 13 | 11 | 13 | 11 | 10 |
| 007 | | Elko | 5 | 5 | 4 | 2 | 3 | 4 | 0 |
| 009 | | Esmeralda | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 011 | | Erueka | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | | Humboldt | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 015 | | Lander | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 017 | | Lincoln | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 019 | | Lyon | 2 | 1 | 1 | 1 | 1 | 5 | 4 |
| 021 | | Mineral | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 023 | | Nye | 0 | 0 | 2 | 2 | 2 | 4 | 0 |
| 027 | | Pershing | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 029 | | Storey | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 031 | | Washoe | 41 | 73 | 50 | 46 | 61 | 59 | 68 |
| 033 | | White Pine | 1 | 1 | 3 | 0 | 1 | 0 | 0 |
| 510 | | Carson City (city) | 7 | 10 | 8 | 12 | 7 | 9 | 9 |
| 999 | | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | TOTAL | | 107 | 165 | 151 | 140 | 171 | 167 | 195 |

NEW HAMPSHIRE

Alphabetic Code: NH
Numeric Code: 33

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|--------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Belknap | 7 | 6 | 6 | 4 | 5 | 7 | 7 |
| 003 | | Carroll | 9 | 6 | 3 | 5 | 9 | 0 | 8 |
| 005 | | Cheshire | 10 | 12 | 17 | 15 | 15 | 17 | 27 |
| 007 | | Coos | 1 | 3 | 2 | 1 | 1 | 1 | 2 |
| 009 | | Grafton | 16 | 14 | 22 | 17 | 25 | 26 | 25 |
| 011 | | Hillsborough | 146 | 128 | 135 | 163 | 176 | 160 | 159 |
| 013 | | Merrimack | 10 | 16 | 12 | 18 | 33 | 29 | 26 |
| 015 | | Rockingham | 72 | 78 | 88 | 85 | 93 | 106 | 106 |
| 017 | | Strafford | 27 | 41 | 47 | 47 | 42 | 46 | 49 |
| | | (continued) | | | | | | | |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| NEW HAMPSHIRE | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---------------|----------|-------------|------|------|------|------|------|------|------|
| | | (continued) | | | | | | | |
| 019 | Sullivan | 5 | 13 | 3 | 7 | 9 | 12 | 11 | |
| 999 | UNKNOWN | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| | TOTAL | 303 | 317 | 335 | 363 | 408 | 404 | 420 | |

NEW JERSEY

Alphabetic Code: NJ
Numeric Code: 34

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Atlantic | 8 | 8 | 9 | 13 | 14 | 14 | 15 |
| 003 | | Bergen | 241 | 269 | 260 | 272 | 290 | 289 | 306 |
| 005 | | Burlington | 54 | 89 | 69 | 89 | 100 | 85 | 79 |
| 007 | | Camden | 96 | 79 | 90 | 90 | 73 | 55 | 80 |
| 009 | | Cape May | 9 | 18 | 10 | 16 | 15 | 14 | 16 |
| 011 | | Cumberland | 4 | 9 | 6 | 7 | 8 | 5 | 5 |
| 013 | | Essex | 169 | 165 | 138 | 143 | 151 | 179 | 140 |
| 015 | | Gloucester | 61 | 80 | 59 | 56 | 56 | 52 | 28 |
| 017 | | Hudson | 45 | 47 | 41 | 34 | 41 | 30 | 45 |
| 019 | | Hunterdon | 145 | 147 | 135 | 150 | 153 | 152 | 160 |
| 021 | | Mercer | 378 | 381 | 345 | 341 | 335 | 300 | 345 |
| 023 | | Middlesex | 234 | 302 | 305 | 316 | 294 | 273 | 296 |
| 025 | | Monmouth | 252 | 288 | 299 | 310 | 313 | 354 | 398 |
| 027 | | Morris | 352 | 365 | 364 | 308 | 331 | 282 | 322 |
| 029 | | Ocean | 46 | 45 | 52 | 48 | 61 | 47 | 46 |
| 031 | | Passaic | 92 | 86 | 95 | 76 | 72 | 70 | 100 |
| 033 | | Salem | 7 | 6 | 7 | 7 | 6 | 5 | 10 |
| 035 | | Somerset | 323 | 315 | 293 | 326 | 305 | 264 | 371 |
| 037 | | Sussex | 43 | 40 | 40 | 37 | 48 | 35 | 42 |
| 039 | | Union | 245 | 256 | 222 | 249 | 244 | 227 | 253 |
| 041 | | Warren | 28 | 31 | 31 | 25 | 19 | 24 | 35 |
| 999 | | UNKNOWN | 1 | 6 | 1 | 0 | 1 | 0 | 2 |
| | TOTAL | 2833 | 3032 | 2871 | 2913 | 2930 | 2756 | 3094 | |

NEW MEXICO

Alphabetic Code: NM
Numeric Code: 35

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Bernalillo | 93 | 115 | 120 | 111 | 124 | 145 | 120 |
| 003 | | Catron | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 005 | | Chaves | 2 | 3 | 2 | 2 | 4 | 2 | 1 |
| 006 | | Cibola | 0 | 1 | 0 | 1 | 2 | 1 | 2 |
| 007 | | Colfax | 1 | 4 | 6 | 5 | 1 | 2 | 0 |
| 009 | | Curry | 1 | 2 | 1 | 0 | 0 | 3 | 0 |
| 011 | | DeBaca | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 013 | | Dona Ana | 9 | 16 | 12 | 19 | 15 | 3 | 9 |
| 015 | | Eddy | 1 | 3 | 1 | 4 | 3 | 2 | 3 |
| 017 | | Grant | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 019 | | Guadalupe | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 021 | | Harding | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | | Hidalgo | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 025 | | Lea | 4 | 4 | 6 | 4 | 4 | 3 | 0 |
| 027 | | Lincoln | 2 | 4 | 2 | 1 | 0 | 0 | 0 |
| 028 | | Los Alamos | 39 | 29 | 39 | 39 | 37 | 32 | 35 |
| 029 | | Luna | 1 | 1 | 0 | 2 | 0 | 1 | 1 |
| 031 | | McKinley | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| 033 | | Mora | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 035 | | Otero | 1 | 3 | 2 | 2 | 3 | 4 | 3 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| NEW MEXICO | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|------------|-------------|------|------|------|------|------|------|------|
| 037 | Quay | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 039 | Rio Arriba | 1 | 3 | 2 | 2 | 1 | 3 | 3 |
| 041 | Roosevelt | 0 | 1 | 2 | 0 | 0 | 0 | 1 |
| 043 | Sandoval | 6 | 13 | 7 | 11 | 9 | 14 | 16 |
| 045 | San Juan | 2 | 4 | 6 | 5 | 5 | 7 | 3 |
| 047 | San Miguel | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 049 | Santa Fe | 21 | 19 | 19 | 20 | 15 | 23 | 20 |
| 051 | Sierra | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 053 | Socorro | 2 | 0 | 1 | 0 | 1 | 1 | 1 |
| 055 | Taos | 4 | 2 | 1 | 1 | 0 | 1 | 0 |
| 057 | Torrance | 1 | 0 | 3 | 2 | 1 | 3 | 1 |
| 059 | Union | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 061 | Valencia | 1 | 1 | 5 | 1 | 2 | 3 | 3 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | TOTAL | 193 | 229 | 240 | 235 | 233 | 256 | 226 |

NEW YORK

Alphabetic Code: NY
Numeric Code: 36

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|-------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Albany | 65 | 72 | 67 | 66 | 52 | 44 | 58 |
| 003 | | Allegany | 10 | 13 | 11 | 12 | 15 | 11 | 14 |
| 005 | | Bronx | 47 | 43 | 34 | 37 | 38 | 37 | 36 |
| 007 | | Broome | 94 | 77 | 76 | 88 | 120 | 105 | 112 |
| 009 | | Cattaraugus | 12 | 9 | 18 | 14 | 7 | 10 | 10 |
| 011 | | Cayuga | 8 | 12 | 18 | 9 | 7 | 8 | 11 |
| 013 | | Chautauqua | 9 | 12 | 4 | 9 | 9 | 11 | 10 |
| 015 | | Chemung | 49 | 30 | 41 | 47 | 55 | 26 | 36 |
| 017 | | Chenango | 7 | 12 | 9 | 8 | 9 | 14 | 17 |
| 019 | | Clinton | 10 | 1 | 11 | 11 | 5 | 5 | 17 |
| 021 | | Columbia | 7 | 1 | 6 | 5 | 11 | 5 | 4 |
| 023 | | Cortland | 9 | 2 | 12 | 8 | 6 | 13 | 9 |
| 025 | | Delaware | 2 | 3 | 6 | 7 | 2 | 2 | 3 |
| 027 | | Dutchess | 110 | 123 | 165 | 212 | 234 | 237 | 290 |
| 029 | | Erie | 221 | 226 | 227 | 208 | 206 | 226 | 199 |
| 031 | | Essex | 1 | 0 | 1 | 5 | 5 | 4 | 1 |
| 033 | | Franklin | 1 | 0 | 0 | 0 | 0 | 2 | 2 |
| 035 | | Fulton | 8 | 4 | 7 | 3 | 4 | 2 | 11 |
| 037 | | Genesee | 8 | 13 | 14 | 18 | 20 | 21 | 11 |
| 039 | | Greene | 6 | 6 | 10 | 6 | 3 | 6 | 6 |
| 041 | | Hamilton | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 043 | | Herkimer | 3 | 2 | 6 | 6 | 1 | 3 | 3 |
| 045 | | Jefferson | 10 | 5 | 10 | 11 | 9 | 11 | 11 |
| 047 | | Kings | 113 | 110 | 81 | 99 | 96 | 82 | 100 |
| 049 | | Lewis | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 051 | | Livingston | 9 | 14 | 18 | 17 | 12 | 18 | 12 |
| 053 | | Madison | 11 | 15 | 16 | 13 | 22 | 13 | 8 |
| 055 | | Monroe | 817 | 1040 | 1044 | 1244 | 1211 | 1076 | 1222 |
| 057 | | Montgomery | 8 | 4 | 7 | 9 | 12 | 8 | 17 |
| 059 | | Nassau | 310 | 301 | 251 | 214 | 249 | 261 | 300 |
| 061 | | New York | 295 | 338 | 305 | 334 | 357 | 328 | 380 |
| 063 | | Niagara | 47 | 56 | 70 | 58 | 43 | 46 | 54 |
| 065 | | Oneida | 29 | 30 | 31 | 37 | 27 | 32 | 40 |
| 067 | | Onondaga | 120 | 151 | 115 | 113 | 115 | 120 | 106 |
| 069 | | Ontario | 23 | 44 | 55 | 41 | 40 | 31 | 43 |
| 071 | | Orange | 48 | 37 | 42 | 57 | 44 | 63 | 70 |
| 073 | | Orleans | 6 | 10 | 8 | 11 | 17 | 7 | 12 |
| 075 | | Oswego | 12 | 14 | 18 | 16 | 9 | 9 | 7 |
| 077 | | Otsego | 4 | 2 | 9 | 8 | 5 | 4 | 10 |
| 079 | | Putnam | 44 | 48 | 59 | 57 | 49 | 52 | 53 |
| 081 | | Queens | 106 | 111 | 116 | 97 | 91 | 108 | 89 |
| 083 | | Rensselaer | 39 | 42 | 42 | 33 | 54 | 34 | 39 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| NEW YORK | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|--------------|------|------|------|------|------|------|------|
| 085 | Richmond | 25 | 38 | 26 | 27 | 22 | 29 | 26 |
| 087 | Rockland | 109 | 121 | 85 | 98 | 116 | 91 | 118 |
| 089 | St. Lawrence | 8 | 8 | 6 | 6 | 10 | 6 | 2 |
| 091 | Saratoga | 97 | 122 | 143 | 140 | 150 | 143 | 156 |
| 093 | Schenectady | 218 | 246 | 262 | 212 | 260 | 279 | 255 |
| 095 | Schoharie | 2 | 4 | 2 | 1 | 2 | 1 | 2 |
| 097 | Schuyler | 5 | 8 | 3 | 8 | 3 | 1 | 6 |
| 099 | Seneca | 11 | 9 | 11 | 5 | 13 | 8 | 8 |
| 101 | Steuben | 60 | 50 | 60 | 68 | 55 | 60 | 49 |
| 103 | Suffolk | 265 | 257 | 267 | 246 | 311 | 311 | 357 |
| 105 | Sullivan | 6 | 9 | 5 | 6 | 7 | 4 | 7 |
| 107 | Tioga | 12 | 19 | 17 | 21 | 17 | 18 | 23 |
| 109 | Tompkins | 52 | 65 | 63 | 73 | 59 | 56 | 84 |
| 111 | Ulster | 25 | 29 | 35 | 51 | 77 | 79 | 60 |
| 113 | Warren | 23 | 18 | 26 | 25 | 18 | 17 | 21 |
| 115 | Washington | 5 | 7 | 1 | 9 | 5 | 3 | 5 |
| 117 | Wayne | 52 | 47 | 61 | 61 | 81 | 74 | 91 |
| 119 | Westchester | 345 | 369 | 366 | 383 | 423 | 404 | 467 |
| 121 | Wyoming | 1 | 3 | 4 | 2 | 0 | 1 | 2 |
| 123 | Yates | 1 | 4 | 2 | 3 | 3 | 3 | 4 |
| 999 | UNKNOWN | 1 | 7 | 4 | 4 | 7 | 5 | 6 |
| | TOTAL | 4061 | 4474 | 4489 | 4698 | 4911 | 4689 | 5182 |

NORTH CAROLINA

Alphabetic Code: NC
Numeric Code: 37

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Alamance | 8 | 12 | 18 | 11 | 8 | 17 | 15 |
| 003 | Alexander | 1 | 2 | 5 | 4 | 2 | 0 | 1 |
| 005 | Alleghany | 0 | 0 | 1 | 1 | 1 | 1 | 3 |
| 007 | Anson | 1 | 0 | 2 | 1 | 1 | 0 | 0 |
| 009 | Ashe | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 011 | Avery | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 013 | Beaufort | 0 | 0 | 2 | 2 | 0 | 2 | 2 |
| 015 | Bertie | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 017 | Bladen | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 019 | Brunswick | 3 | 5 | 5 | 3 | 3 | 4 | 4 |
| 021 | Buncombe | 19 | 29 | 36 | 29 | 36 | 46 | 45 |
| 023 | Burke | 10 | 13 | 14 | 13 | 15 | 16 | 8 |
| 025 | Cabarrus | 6 | 7 | 13 | 9 | 14 | 13 | 6 |
| 027 | Caldwell | 6 | 4 | 5 | 3 | 4 | 6 | 4 |
| 029 | Camden | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 031 | Carteret | 0 | 7 | 2 | 3 | 7 | 3 | 2 |
| 033 | Caswell | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 035 | Catawba | 12 | 17 | 17 | 13 | 24 | 16 | 16 |
| 037 | Chatham | 4 | 4 | 4 | 2 | 4 | 3 | 9 |
| 039 | Cherokee | 1 | 0 | 1 | 1 | 0 | 1 | 2 |
| 041 | Chowan | 0 | 1 | 0 | 0 | 2 | 2 | 2 |
| 043 | Clay | 1 | 0 | 0 | 2 | 1 | 1 | 0 |
| 045 | Cleveland | 4 | 5 | 7 | 8 | 3 | 3 | 10 |
| 047 | Columbus | 0 | 1 | 1 | 1 | 2 | 2 | 2 |
| 049 | Craven | 1 | 5 | 2 | 3 | 3 | 7 | 2 |
| 051 | Cumberland | 6 | 13 | 7 | 7 | 4 | 2 | 7 |
| 053 | Currituck | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 055 | Dare | 1 | 3 | 0 | 1 | 3 | 3 | 3 |
| 057 | Davidson | 9 | 12 | 11 | 11 | 15 | 8 | 11 |
| 059 | Davie | 1 | 4 | 7 | 5 | 9 | 6 | 9 |
| 061 | Duplin | 0 | 3 | 1 | 1 | 0 | 1 | 2 |
| 063 | Durham | 39 | 45 | 52 | 63 | 68 | 63 | 82 |
| 065 | Edgecombe | 2 | 4 | 3 | 2 | 2 | 5 | 4 |
| 067 | Forsyth | 82 | 90 | 74 | 67 | 75 | 69 | 65 |
| 069 | Franklin | 1 | 1 | 2 | 1 | 1 | 2 | 2 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| NORTH CAROLINA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------------|--------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 071 | Gaston | 12 | 12 | 20 | 24 | 22 | 20 | 25 |
| 073 | Gates | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 075 | Graham | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 077 | Granville | 0 | 1 | 2 | 1 | 1 | 1 | 1 |
| 079 | Greene | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 081 | Guilford | 57 | 57 | 57 | 59 | 55 | 59 | 73 |
| 083 | Halifax | 2 | 3 | 3 | 9 | 3 | 4 | 3 |
| 085 | Harnett | 0 | 2 | 3 | 0 | 0 | 1 | 4 |
| 087 | Haywood | 6 | 3 | 4 | 0 | 1 | 1 | 7 |
| 089 | Henderson | 18 | 14 | 16 | 13 | 21 | 22 | 24 |
| 091 | Hertford | 0 | 1 | 0 | 0 | 2 | 1 | 0 |
| 093 | Hoke | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 095 | Hyde | 1 | 1 | 0 | 1 | 1 | 0 | 1 |
| 097 | Iredell | 12 | 5 | 6 | 15 | 15 | 14 | 18 |
| 099 | Jackson | 3 | 4 | 1 | 2 | 1 | 1 | 0 |
| 101 | Johnston | 1 | 3 | 2 | 1 | 4 | 2 | 7 |
| 103 | Jones | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 105 | Lee | 2 | 7 | 1 | 6 | 3 | 2 | 5 |
| 107 | Lenoir | 5 | 10 | 4 | 7 | 5 | 6 | 11 |
| 109 | Lincoln | 0 | 2 | 1 | 1 | 2 | 6 | 3 |
| 111 | McDowell | 1 | 1 | 1 | 1 | 3 | 1 | 1 |
| 113 | Macon | 1 | 2 | 1 | 2 | 0 | 1 | 1 |
| 115 | Madison | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| 117 | Martin | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| 119 | Mecklenburg | 109 | 122 | 98 | 99 | 106 | 109 | 134 |
| 121 | Mitchell | 1 | 1 | 1 | 1 | 5 | 0 | 1 |
| 123 | Montgomery | 5 | 1 | 0 | 3 | 1 | 3 | 0 |
| 125 | Moore | 3 | 6 | 10 | 7 | 6 | 13 | 12 |
| 127 | Nash | 1 | 2 | 3 | 1 | 1 | 5 | 3 |
| 129 | New Hanover | 21 | 23 | 20 | 33 | 33 | 34 | 34 |
| 131 | Northampton | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 133 | Onslow | 0 | 2 | 1 | 2 | 3 | 5 | 4 |
| 135 | Orange | 39 | 49 | 56 | 71 | 77 | 70 | 90 |
| 137 | Pamlico | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 139 | Pasquotank | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 141 | Pender | 0 | 0 | 1 | 2 | 0 | 2 | 1 |
| 143 | Perquimans | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 145 | Person | 3 | 2 | 1 | 1 | 1 | 2 | 2 |
| 147 | Pitt | 7 | 6 | 8 | 7 | 19 | 10 | 18 |
| 149 | Polk | 1 | 2 | 3 | 3 | 2 | 2 | 3 |
| 151 | Randolph | 4 | 14 | 8 | 12 | 9 | 8 | 13 |
| 153 | Richmond | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| 155 | Robeson | 0 | 2 | 1 | 3 | 4 | 4 | 0 |
| 157 | Rockingham | 4 | 7 | 1 | 1 | 7 | 5 | 6 |
| 159 | Rowan | 11 | 9 | 3 | 2 | 1 | 4 | 2 |
| 161 | Rutherford | 2 | 3 | 2 | 3 | 7 | 4 | 6 |
| 163 | Sampson | 1 | 3 | 2 | 1 | 0 | 2 | 2 |
| 165 | Scotland | 1 | 0 | 1 | 3 | 4 | 1 | 0 |
| 167 | Stanly | 2 | 5 | 0 | 2 | 3 | 5 | 1 |
| 169 | Stokes | 7 | 3 | 5 | 2 | 1 | 8 | 10 |
| 171 | Surry | 4 | 0 | 2 | 2 | 4 | 3 | 1 |
| 173 | Swain | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Transylvania | 4 | 4 | 7 | 6 | 6 | 3 | 9 |
| 177 | Tyrrell | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 179 | Union | 8 | 4 | 4 | 9 | 4 | 12 | 4 |
| 181 | Vance | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| 183 | Wake | 149 | 192 | 187 | 206 | 245 | 259 | 303 |
| 185 | Warren | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 | Washington | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 189 | Watauga | 2 | 3 | 1 | 2 | 1 | 3 | 1 |
| 191 | Wayne | 3 | 1 | 4 | 3 | 1 | 5 | 4 |
| 193 | Wilkes | 4 | 0 | 1 | 4 | 4 | 4 | 3 |
| 195 | Wilson | 5 | 0 | 4 | 3 | 9 | 4 | 8 |
| 197 | Yadkin | 2 | 1 | 1 | 2 | 2 | 3 | 4 |
| 199 | Yancey | 0 | 0 | 4 | 2 | 2 | 0 | 0 |
| 999 | UNKNOWN | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 746 | 891 | 858 | 914 | 1021 | 1040 | 1193 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

NORTH DAKOTA

**Alphabetic Code: ND
Numeric Code: 38**

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|---------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adams | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 003 | | Barnes | 1 | 1 | 0 | 2 | 1 | 0 | 1 |
| 005 | | Benson | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 007 | | Billings | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | | Bottineau | 0 | 1 | 2 | 1 | 5 | 4 | 3 |
| 011 | | Bowman | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 013 | | Burke | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 015 | | Burleigh | 8 | 8 | 0 | 5 | 1 | 8 | 5 |
| 017 | | Cass | 10 | 17 | 16 | 11 | 12 | 16 | 17 |
| 019 | | Cavalier | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 021 | | Dickey | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 023 | | Divide | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 025 | | Dunn | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | | Eddy | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 029 | | Emmons | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 031 | | Foster | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 033 | | Golden Valley | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 035 | | Grand Forks | 4 | 8 | 4 | 9 | 5 | 7 | 10 |
| 037 | | Grant | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 039 | | Griggs | 0 | 0 | 2 | 1 | 1 | 1 | 0 |
| 041 | | Hettinger | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 043 | | Kidder | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 045 | | LaMoure | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 047 | | Logan | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 049 | | McHenry | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 051 | | McIntosh | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 053 | | McKenzie | 1 | 0 | 0 | 1 | 1 | 1 | 1 |
| 055 | | McLean | 0 | 1 | 0 | 3 | 0 | 1 | 1 |
| 057 | | Mercer | 1 | 0 | 0 | 1 | 1 | 1 | 0 |
| 059 | | Morton | 0 | 1 | 3 | 5 | 1 | 0 | 1 |
| 061 | | Mountail | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 063 | | Nelson | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 065 | | Oliver | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 067 | | Pembina | 0 | 0 | 3 | 1 | 1 | 1 | 0 |
| 069 | | Pierce | 0 | 1 | 0 | 2 | 0 | 0 | 0 |
| 071 | | Ramsey | 2 | 2 | 2 | 4 | 3 | 1 | 2 |
| 073 | | Ransom | 3 | 2 | 1 | 0 | 0 | 0 | 4 |
| 075 | | Renville | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 077 | | Richland | 1 | 2 | 1 | 3 | 2 | 3 | 4 |
| 079 | | Rolette | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 081 | | Sargent | 2 | 2 | 1 | 0 | 1 | 0 | 2 |
| 083 | | Sheridan | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 085 | | Sioux | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 087 | | Slope | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 089 | | Stark | 2 | 3 | 2 | 1 | 1 | 2 | 0 |
| 091 | | Steele | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 093 | | Stutsman | 1 | 2 | 6 | 1 | 0 | 3 | 2 |
| 095 | | Towner | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 097 | | Traill | 0 | 1 | 0 | 1 | 1 | 2 | 0 |
| 099 | | Walsh | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 101 | | Ward | 3 | 2 | 3 | 2 | 4 | 3 | 3 |
| 103 | | Wells | 0 | 0 | 2 | 1 | 3 | 0 | 0 |
| 105 | | Williams | 1 | 2 | 2 | 2 | 3 | 2 | 1 |
| 999 | | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | TOTAL | 42 | 63 | 58 | 61 | 51 | 58 | 62 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

OHIO

**Alphabetic Code: OH
Numeric Code: 39**

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Adams | 3 | 0 | 3 | 1 | 0 | 1 | 1 |
| 003 | Allen | 18 | 14 | 8 | 12 | 3 | 4 | 0 |
| 005 | Ashland | 9 | 5 | 7 | 8 | 5 | 6 | 6 |
| 007 | Ashtabula | 8 | 3 | 7 | 10 | 8 | 7 | 4 |
| 009 | Athens | 7 | 8 | 5 | 4 | 6 | 10 | 13 |
| 011 | Auglaize | 14 | 15 | 7 | 11 | 8 | 5 | 5 |
| 013 | Belmont | 1 | 1 | 0 | 2 | 1 | 1 | 1 |
| 015 | Brown | 1 | 0 | 2 | 3 | 2 | 1 | 2 |
| 017 | Butler | 69 | 94 | 105 | 132 | 138 | 101 | 157 |
| 019 | Carroll | 2 | 7 | 3 | 1 | 1 | 4 | 1 |
| 021 | Champaign | 0 | 0 | 1 | 5 | 4 | 1 | 3 |
| 023 | Clark | 15 | 20 | 23 | 6 | 11 | 9 | 9 |
| 025 | Clermont | 24 | 21 | 23 | 32 | 35 | 29 | 28 |
| 027 | Clinton | 1 | 2 | 4 | 2 | 3 | 5 | 3 |
| 029 | Columbiana | 7 | 11 | 16 | 18 | 8 | 10 | 7 |
| 031 | Coshocton | 2 | 1 | 9 | 6 | 2 | 2 | 0 |
| 033 | Crawford | 3 | 1 | 1 | 2 | 4 | 1 | 3 |
| 035 | Cuyahoga | 330 | 370 | 394 | 382 | 397 | 317 | 320 |
| 037 | Darke | 3 | 7 | 4 | 5 | 2 | 4 | 9 |
| 039 | Defiance | 1 | 9 | 4 | 3 | 4 | 3 | 2 |
| 041 | Delaware | 50 | 53 | 57 | 50 | 62 | 65 | 73 |
| 043 | Erie | 22 | 26 | 17 | 15 | 8 | 7 | 12 |
| 045 | Fairfield | 41 | 64 | 44 | 31 | 49 | 42 | 53 |
| 047 | Fayette | 2 | 4 | 3 | 1 | 1 | 0 | 1 |
| 049 | Franklin | 83 | 103 | 90 | 95 | 108 | 99 | 128 |
| 051 | Fulton | 3 | 9 | 10 | 2 | 3 | 4 | 12 |
| 053 | Gallia | 1 | 0 | 0 | 0 | 0 | 4 | 0 |
| 055 | Geauga | 61 | 37 | 50 | 49 | 53 | 52 | 47 |
| 057 | Greene | 53 | 50 | 43 | 52 | 42 | 54 | 68 |
| 059 | Guernsey | 11 | 10 | 19 | 14 | 7 | 5 | 2 |
| 061 | Hamilton | 312 | 330 | 384 | 398 | 446 | 395 | 473 |
| 063 | Hancock | 5 | 4 | 11 | 5 | 2 | 7 | 5 |
| 065 | Hardin | 2 | 3 | 0 | 4 | 5 | 0 | 2 |
| 067 | Harrison | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| 069 | Henry | 1 | 3 | 3 | 2 | 0 | 2 | 4 |
| 071 | Highland | 2 | 3 | 6 | 1 | 2 | 1 | 1 |
| 073 | Hocking | 0 | 2 | 1 | 0 | 1 | 0 | 1 |
| 075 | Holmes | 3 | 2 | 4 | 1 | 3 | 2 | 5 |
| 077 | Huron | 5 | 2 | 10 | 6 | 5 | 5 | 8 |
| 079 | Jackson | 0 | 2 | 0 | 0 | 2 | 0 | 1 |
| 081 | Jefferson | 0 | 4 | 2 | 1 | 6 | 2 | 3 |
| 083 | Knox | 4 | 9 | 6 | 8 | 7 | 3 | 4 |
| 085 | Lake | 96 | 92 | 77 | 70 | 88 | 90 | 75 |
| 087 | Lawrence | 2 | 2 | 1 | 2 | 4 | 7 | 3 |
| 089 | Licking | 27 | 33 | 36 | 33 | 39 | 39 | 43 |
| 091 | Logan | 2 | 0 | 0 | 0 | 2 | 1 | 0 |
| 093 | Lorain | 62 | 66 | 69 | 64 | 66 | 57 | 49 |
| 095 | Lucas | 113 | 101 | 96 | 105 | 92 | 103 | 77 |
| 097 | Madison | 3 | 3 | 4 | 4 | 2 | 4 | 2 |
| 099 | Mahoning | 22 | 26 | 26 | 21 | 17 | 12 | 24 |
| 101 | Marion | 3 | 3 | 5 | 2 | 3 | 3 | 1 |
| 103 | Medina | 48 | 57 | 51 | 39 | 48 | 43 | 45 |
| 105 | Meigs | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 107 | Mercer | 1 | 11 | 6 | 5 | 6 | 8 | 5 |
| 109 | Miami | 27 | 34 | 40 | 26 | 24 | 22 | 40 |
| 111 | Monroe | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 113 | Montgomery | 223 | 209 | 167 | 166 | 127 | 162 | 159 |
| 115 | Morgan | 0 | 0 | 2 | 0 | 0 | 1 | 1 |
| 117 | Morrow | 2 | 2 | 1 | 1 | 3 | 2 | 0 |
| 119 | Muskingum | 2 | 6 | 8 | 10 | 6 | 5 | 3 |
| 121 | Noble | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 123 | Ottawa | 5 | 6 | 6 | 5 | 4 | 4 | 4 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| OHIO | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | |
|------|-------------|-------|------|------|------|------|------|------|------|
| 125 | Paulding | 5 | 7 | 5 | 9 | 4 | 5 | 8 | |
| 127 | Perry | 2 | 1 | 1 | 3 | 1 | 0 | 0 | |
| 129 | Pickaway | 3 | 4 | 3 | 3 | 4 | 4 | 8 | |
| 131 | Pike | 0 | 1 | 0 | 1 | 0 | 0 | 0 | |
| 133 | Portage | 51 | 61 | 52 | 53 | 53 | 65 | 47 | |
| 135 | Preble | 3 | 7 | 3 | 9 | 9 | 7 | 4 | |
| 137 | Putnam | 3 | 2 | 2 | 1 | 1 | 1 | 7 | |
| 139 | Richland | 12 | 15 | 9 | 15 | 26 | 12 | 16 | |
| 141 | Ross | 1 | 5 | 8 | 4 | 8 | 8 | 2 | |
| 143 | Sandusky | 10 | 4 | 4 | 7 | 7 | 4 | 8 | |
| 145 | Scioto | 0 | 0 | 2 | 0 | 4 | 0 | 2 | |
| 147 | Seneca | 4 | 2 | 4 | 5 | 3 | 2 | 3 | |
| 149 | Shelby | 10 | 15 | 13 | 7 | 19 | 17 | 20 | |
| 151 | Stark | 71 | 85 | 81 | 113 | 85 | 94 | 112 | |
| 153 | Summit | 188 | 215 | 191 | 174 | 203 | 173 | 182 | |
| 155 | Trumbull | 33 | 35 | 23 | 23 | 21 | 20 | 19 | |
| 157 | Tuscarawas | 9 | 8 | 5 | 10 | 4 | 15 | 13 | |
| 159 | Union | 17 | 13 | 12 | 16 | 13 | 15 | 16 | |
| 161 | Van Wert | 6 | 2 | 4 | 3 | 5 | 2 | 2 | |
| 163 | Vinton | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| 165 | Warren | 50 | 53 | 66 | 79 | 65 | 76 | 65 | |
| 167 | Washington | 7 | 6 | 14 | 6 | 11 | 11 | 5 | |
| 169 | Wayne | 24 | 18 | 32 | 28 | 19 | 15 | 18 | |
| 171 | Williams | 5 | 11 | 12 | 11 | 9 | 7 | 13 | |
| 173 | Wood | 42 | 28 | 42 | 19 | 35 | 31 | 38 | |
| 175 | Wyandot | 2 | 2 | 1 | 0 | 1 | 0 | 1 | |
| 999 | UNKNOWN | 0 | 0 | 7 | 2 | 1 | 0 | 0 | |
| | | TOTAL | 2376 | 2561 | 2579 | 2536 | 2598 | 2418 | 2620 |

OKLAHOMA

Alphabetic Code: OK
Numeric Code: 40

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|-----------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Adair | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 003 | | Alfalfa | 1 | 0 | 1 | 1 | 0 | 1 | 0 |
| 005 | | Atoka | 0 | 0 | 1 | 1 | 0 | 2 | 0 |
| 007 | | Beaver | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 009 | | Beckham | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 011 | | Blaine | 3 | 1 | 0 | 0 | 0 | 1 | 2 |
| 013 | | Bryan | 1 | 1 | 1 | 0 | 0 | 1 | 3 |
| 015 | | Caddo | 1 | 4 | 0 | 0 | 0 | 2 | 0 |
| 017 | | Canadian | 19 | 26 | 25 | 20 | 14 | 15 | 18 |
| 019 | | Carter | 1 | 4 | 3 | 5 | 2 | 0 | 2 |
| 021 | | Cherokee | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 023 | | Choctaw | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| 025 | | Cimarron | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | | Cleveland | 30 | 18 | 31 | 31 | 33 | 34 | 34 |
| 029 | | Coal | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 031 | | Comanche | 2 | 2 | 3 | 0 | 10 | 5 | 3 |
| 033 | | Cotton | 1 | 0 | 0 | 4 | 0 | 2 | 0 |
| 035 | | Craig | 1 | 1 | 0 | 1 | 0 | 2 | 1 |
| 037 | | Creek | 2 | 2 | 7 | 5 | 6 | 5 | 4 |
| 039 | | Custer | 1 | 0 | 2 | 0 | 3 | 1 | 0 |
| 041 | | Delaware | 1 | 1 | 1 | 2 | 0 | 0 | 1 |
| 043 | | Dewey | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 045 | | Ellis | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 047 | | Garfield | 5 | 2 | 3 | 4 | 0 | 0 | 0 |
| 049 | | Garvin | 3 | 2 | 2 | 2 | 1 | 1 | 1 |
| 051 | | Grady | 3 | 3 | 7 | 6 | 5 | 7 | 10 |
| 053 | | Grant | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 055 | | Greer | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 057 | | Harmon | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| OKLAHOMA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|--------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 059 | Harper | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 061 | Haskell | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 063 | Hughes | 2 | 0 | 1 | 0 | 0 | 2 | 3 |
| 065 | Jackson | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| 067 | Jefferson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 069 | Johnston | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| 071 | Kay | 21 | 24 | 21 | 15 | 8 | 5 | 11 |
| 073 | Kingfisher | 2 | 2 | 0 | 0 | 0 | 2 | 2 |
| 075 | Kiowa | 2 | 3 | 1 | 1 | 0 | 1 | 0 |
| 077 | Latimer | 1 | 2 | 0 | 1 | 0 | 1 | 1 |
| 079 | Le Flore | 1 | 0 | 1 | 2 | 2 | 3 | 3 |
| 081 | Lincoln | 0 | 2 | 3 | 0 | 4 | 1 | 2 |
| 083 | Logan | 0 | 0 | 0 | 2 | 0 | 3 | 2 |
| 085 | Love | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 087 | McClain | 11 | 12 | 13 | 13 | 8 | 14 | 12 |
| 089 | McCurtain | 1 | 3 | 0 | 1 | 1 | 0 | 0 |
| 091 | McIntosh | 3 | 3 | 0 | 1 | 2 | 3 | 0 |
| 093 | Major | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 095 | Marshall | 2 | 0 | 0 | 1 | 2 | 1 | 0 |
| 097 | Mayes | 4 | 2 | 2 | 1 | 2 | 1 | 1 |
| 099 | Murray | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | Muskogee | 8 | 6 | 5 | 5 | 4 | 3 | 11 |
| 103 | Noble | 6 | 5 | 0 | 4 | 2 | 4 | 5 |
| 105 | Nowata | 8 | 6 | 8 | 2 | 1 | 1 | 1 |
| 107 | Okfuskee | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 109 | Oklahoma | 29 | 33 | 36 | 36 | 34 | 30 | 40 |
| 111 | Okmulgee | 1 | 1 | 1 | 2 | 2 | 2 | 0 |
| 113 | Osage | 112 | 112 | 119 | 129 | 96 | 72 | 71 |
| 115 | Ottawa | 2 | 5 | 1 | 2 | 3 | 2 | 1 |
| 117 | Pawnee | 1 | 5 | 4 | 2 | 0 | 0 | 1 |
| 119 | Payne | 9 | 13 | 9 | 12 | 21 | 15 | 15 |
| 121 | Pittsburg | 1 | 2 | 1 | 1 | 1 | 1 | 0 |
| 123 | Pontotoc | 2 | 3 | 3 | 2 | 1 | 2 | 2 |
| 125 | Pottawatomie | 13 | 15 | 15 | 20 | 14 | 17 | 14 |
| 127 | Pushmataha | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 129 | Roger Mills | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 131 | Rogers | 51 | 43 | 44 | 37 | 37 | 39 | 41 |
| 133 | Seminole | 2 | 3 | 2 | 1 | 0 | 0 | 2 |
| 135 | Sequoyah | 3 | 1 | 3 | 0 | 3 | 1 | 1 |
| 137 | Stephens | 39 | 49 | 48 | 64 | 90 | 53 | 42 |
| 139 | Texas | 0 | 0 | 2 | 2 | 0 | 0 | 0 |
| 141 | Tillman | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 143 | Tulsa | 62 | 52 | 55 | 44 | 44 | 47 | 44 |
| 145 | Wagoner | 23 | 17 | 15 | 15 | 16 | 18 | 15 |
| 147 | Washington | 58 | 68 | 72 | 90 | 68 | 45 | 45 |
| 149 | Washita | 1 | 1 | 2 | 0 | 1 | 2 | 2 |
| 151 | Woods | 2 | 2 | 0 | 2 | 0 | 0 | 1 |
| 153 | Woodward | 1 | 0 | 0 | 3 | 0 | 2 | 0 |
| 999 | UNKNOWN | 0 | 1 | 0 | 0 | 1 | 1 | 1 |
| TOTAL | | 567 | 572 | 579 | 596 | 545 | 475 | 479 |

OREGON

Alphabetic Code: OR
Numeric Code: 41

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|-----------|------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Baker | 5 | 0 | 1 | 1 | 1 | 0 | 3 | |
| 003 | Benton | 37 | 55 | 55 | 39 | 36 | 55 | 61 | |
| 005 | Clackamas | 85 | 90 | 77 | 103 | 89 | 104 | 111 | |
| 007 | Clatsop | 2 | 5 | 6 | 6 | 12 | 19 | 5 | |
| 009 | Columbia | 3 | 4 | 3 | 7 | 3 | 5 | 4 | |
| 011 | Coos | 5 | 6 | 4 | 2 | 2 | 3 | 2 | |
| 013 | Crook | 2 | 1 | 2 | 0 | 0 | 1 | 0 | |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| OREGON | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|--------|-------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 015 | Curry | 2 | 1 | 2 | 1 | 1 | 4 | 6 |
| 017 | Deschutes | 20 | 24 | 26 | 29 | 18 | 14 | 23 |
| 019 | Douglas | 12 | 6 | 8 | 8 | 9 | 6 | 10 |
| 021 | Gilliam | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | Grant | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| 025 | Harney | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 027 | Hood River | 0 | 2 | 0 | 1 | 3 | 1 | 1 |
| 029 | Jackson | 11 | 21 | 24 | 21 | 27 | 30 | 17 |
| 031 | Jefferson | 9 | 5 | 7 | 4 | 12 | 8 | 7 |
| 033 | Josephine | 6 | 5 | 6 | 4 | 1 | 8 | 11 |
| 035 | Klamath | 5 | 5 | 2 | 2 | 2 | 1 | 1 |
| 037 | Lake | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 039 | Lane | 45 | 38 | 28 | 47 | 60 | 57 | 61 |
| 041 | Lincoln | 2 | 4 | 3 | 3 | 2 | 1 | 5 |
| 043 | Linn | 4 | 2 | 8 | 7 | 8 | 8 | 8 |
| 045 | Malheur | 3 | 3 | 2 | 4 | 1 | 0 | 3 |
| 047 | Marion | 15 | 16 | 14 | 14 | 13 | 15 | 11 |
| 049 | Morrow | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 051 | Multnomah | 62 | 64 | 53 | 71 | 57 | 73 | 78 |
| 053 | Polk | 7 | 11 | 10 | 7 | 7 | 7 | 13 |
| 055 | Sherman | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 057 | Tillamook | 2 | 0 | 4 | 5 | 1 | 0 | 2 |
| 059 | Umatilla | 1 | 2 | 3 | 0 | 1 | 3 | 2 |
| 061 | Union | 0 | 1 | 0 | 1 | 2 | 2 | 1 |
| 063 | Wallowa | 0 | 0 | 2 | 0 | 0 | 0 | 1 |
| 065 | Wasco | 0 | 0 | 3 | 1 | 0 | 0 | 3 |
| 067 | Washington | 189 | 169 | 145 | 176 | 170 | 254 | 304 |
| 071 | Yamhill | 6 | 9 | 13 | 25 | 18 | 23 | 13 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 540 | 551 | 513 | 590 | 558 | 704 | 770 |

PENNSYLVANIA

Alphabetic Code: PA
Numeric Code: 42

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Adams | 5 | 4 | 6 | 5 | 5 | 3 | 6 |
| 003 | Allegheny | 503 | 480 | 438 | 427 | 458 | 357 | 405 |
| 005 | Armstrong | 15 | 15 | 11 | 8 | 4 | 14 | 11 |
| 007 | Beaver | 21 | 21 | 16 | 23 | 23 | 24 | 12 |
| 009 | Bedford | 9 | 6 | 12 | 7 | 16 | 6 | 5 |
| 011 | Berks | 40 | 61 | 55 | 59 | 62 | 61 | 59 |
| 013 | Blair | 8 | 9 | 9 | 8 | 8 | 5 | 8 |
| 015 | Bradford | 53 | 49 | 41 | 29 | 17 | 16 | 25 |
| 017 | Bucks | 257 | 230 | 260 | 299 | 348 | 286 | 298 |
| 019 | Butler | 38 | 27 | 19 | 23 | 32 | 32 | 39 |
| 021 | Cambria | 3 | 10 | 6 | 4 | 11 | 9 | 6 |
| 023 | Cameron | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 025 | Carbon | 4 | 4 | 1 | 3 | 9 | 4 | 5 |
| 027 | Centre | 15 | 33 | 26 | 25 | 33 | 36 | 37 |
| 029 | Chester | 181 | 192 | 224 | 235 | 250 | 259 | 300 |
| 031 | Clarion | 1 | 1 | 5 | 1 | 1 | 6 | 3 |
| 033 | Clearfield | 1 | 4 | 6 | 1 | 5 | 6 | 6 |
| 035 | Clinton | 2 | 3 | 1 | 1 | 1 | 1 | 2 |
| 037 | Columbia | 5 | 1 | 2 | 0 | 2 | 2 | 3 |
| 039 | Crawford | 12 | 9 | 5 | 5 | 5 | 6 | 9 |
| 041 | Cumberland | 46 | 53 | 51 | 38 | 39 | 37 | 27 |
| 043 | Dauphin | 86 | 99 | 96 | 89 | 64 | 77 | 85 |
| 045 | Delaware | 148 | 163 | 127 | 145 | 153 | 143 | 198 |
| 047 | Elk | 1 | 2 | 1 | 3 | 0 | 3 | 3 |
| 049 | Erie | 54 | 49 | 56 | 46 | 55 | 50 | 60 |
| 051 | Fayette | 5 | 7 | 9 | 5 | 12 | 11 | 7 |
| 053 | Forest | 1 | 2 | 2 | 1 | 2 | 3 | 3 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| PENNSYLVANIA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|--------------|----------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 055 | Franklin | 8 | 8 | 9 | 11 | 18 | 20 | 18 |
| 057 | Fulton | 1 | 0 | 1 | 2 | 0 | 0 | 1 |
| 059 | Greene | 1 | 0 | 2 | 4 | 1 | 3 | 2 |
| 061 | Huntingdon | 0 | 1 | 2 | 2 | 3 | 1 | 3 |
| 063 | Indiana | 8 | 12 | 11 | 17 | 20 | 8 | 14 |
| 065 | Jefferson | 0 | 3 | 2 | 2 | 2 | 3 | 4 |
| 067 | Juniata | 1 | 1 | 1 | 4 | 0 | 1 | 1 |
| 069 | Lackawanna | 12 | 12 | 17 | 19 | 16 | 10 | 15 |
| 071 | Lancaster | 114 | 116 | 114 | 86 | 93 | 93 | 115 |
| 073 | Lawrence | 12 | 9 | 12 | 4 | 11 | 12 | 12 |
| 075 | Lebanon | 10 | 14 | 16 | 15 | 15 | 9 | 21 |
| 077 | Lehigh | 154 | 183 | 167 | 181 | 186 | 187 | 169 |
| 079 | Luzerne | 22 | 29 | 31 | 22 | 21 | 21 | 24 |
| 081 | Lycoming | 28 | 18 | 21 | 13 | 19 | 30 | 20 |
| 083 | McKean | 1 | 2 | 3 | 5 | 2 | 4 | 2 |
| 085 | Mercer | 11 | 9 | 6 | 9 | 13 | 9 | 8 |
| 087 | Mifflin | 0 | 2 | 0 | 2 | 0 | 2 | 2 |
| 089 | Monroe | 9 | 8 | 5 | 8 | 8 | 17 | 5 |
| 091 | Montgomery | 312 | 333 | 309 | 350 | 361 | 374 | 423 |
| 093 | Montour | 2 | 2 | 3 | 0 | 4 | 0 | 1 |
| 095 | Northampton | 40 | 47 | 58 | 59 | 60 | 53 | 55 |
| 097 | Northumberland | 6 | 3 | 2 | 2 | 1 | 1 | 1 |
| 099 | Perry | 3 | 4 | 8 | 3 | 1 | 2 | 3 |
| 101 | Philadelphia | 96 | 78 | 107 | 99 | 79 | 93 | 96 |
| 103 | Pike | 1 | 0 | 4 | 1 | 3 | 3 | 5 |
| 105 | Potter | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 107 | Schuylkill | 11 | 10 | 9 | 6 | 11 | 11 | 13 |
| 109 | Snyder | 1 | 2 | 0 | 1 | 2 | 1 | 1 |
| 111 | Somerset | 2 | 0 | 1 | 5 | 5 | 4 | 6 |
| 113 | Sullivan | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 115 | Susquehanna | 2 | 2 | 7 | 1 | 3 | 5 | 4 |
| 117 | Tioga | 1 | 5 | 5 | 2 | 2 | 0 | 4 |
| 119 | Union | 4 | 2 | 3 | 4 | 3 | 4 | 2 |
| 121 | Venango | 4 | 7 | 5 | 4 | 5 | 2 | 4 |
| 123 | Warren | 7 | 13 | 13 | 9 | 13 | 3 | 8 |
| 125 | Washington | 25 | 25 | 32 | 31 | 26 | 28 | 31 |
| 127 | Wayne | 0 | 1 | 4 | 7 | 3 | 5 | 4 |
| 129 | Westmoreland | 149 | 155 | 144 | 146 | 146 | 121 | 139 |
| 131 | Wyoming | 2 | 2 | 1 | 2 | 2 | 0 | 3 |
| 133 | York | 51 | 58 | 60 | 46 | 39 | 45 | 57 |
| 999 | UNKNOWN | 0 | 2 | 1 | 1 | 1 | 2 | 2 |
| TOTAL | | 2626 | 2712 | 2681 | 2677 | 2814 | 2644 | 2921 |

RHODE ISLAND

Alphabetic Code: RI
Numeric Code: 44

| Code | County | Year of Utility Patent Grant | | | | | | |
|-------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Bristol | 15 | 22 | 17 | 24 | 20 | 30 | 16 |
| 003 | Kent | 36 | 48 | 51 | 49 | 33 | 37 | 43 |
| 005 | Newport | 13 | 19 | 24 | 36 | 44 | 44 | 58 |
| 007 | Providence | 62 | 75 | 68 | 70 | 82 | 57 | 72 |
| 009 | Washington | 16 | 28 | 35 | 40 | 38 | 38 | 46 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 142 | 192 | 195 | 219 | 217 | 206 | 235 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

SOUTH CAROLINA

Alphabetic Code: SC
Numeric Code: 45

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|--------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Abbeville | 1 | 1 | 0 | 1 | 0 | 0 | 1 |
| 003 | Aiken | 7 | 10 | 24 | 27 | 30 | 26 | 14 |
| 005 | Allendale | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 007 | Anderson | 25 | 13 | 26 | 23 | 23 | 27 | 23 |
| 009 | Bamberg | 0 | 1 | 2 | 1 | 2 | 0 | 0 |
| 011 | Barnwell | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 013 | Beaufort | 5 | 8 | 6 | 9 | 10 | 13 | 13 |
| 015 | Berkeley | 13 | 21 | 26 | 16 | 11 | 16 | 19 |
| 017 | Calhoun | 1 | 2 | 0 | 0 | 4 | 1 | 0 |
| 019 | Charleston | 24 | 38 | 30 | 28 | 19 | 32 | 33 |
| 021 | Cherokee | 1 | 2 | 3 | 2 | 2 | 2 | 3 |
| 023 | Chester | 0 | 3 | 6 | 1 | 2 | 0 | 3 |
| 025 | Chesterfield | 1 | 6 | 2 | 0 | 0 | 1 | 1 |
| 027 | Clarendon | 3 | 0 | 1 | 1 | 1 | 0 | 0 |
| 029 | Colleton | 2 | 2 | 0 | 0 | 2 | 2 | 0 |
| 031 | Darlington | 5 | 9 | 10 | 7 | 5 | 5 | 2 |
| 033 | Dillon | 1 | 0 | 1 | 3 | 0 | 1 | 1 |
| 035 | Dorchester | 2 | 3 | 5 | 4 | 2 | 2 | 5 |
| 037 | Edgefield | 2 | 2 | 2 | 4 | 1 | 3 | 1 |
| 039 | Fairfield | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 041 | Florence | 9 | 11 | 10 | 12 | 21 | 17 | 19 |
| 043 | Georgetown | 1 | 3 | 2 | 1 | 2 | 3 | 3 |
| 045 | Greenville | 79 | 74 | 79 | 72 | 75 | 88 | 91 |
| 047 | Greenwood | 4 | 10 | 10 | 3 | 9 | 6 | 5 |
| 049 | Hampton | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| 051 | Horry | 11 | 5 | 6 | 8 | 9 | 9 | 14 |
| 053 | Jasper | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 055 | Kershaw | 3 | 1 | 5 | 2 | 6 | 2 | 4 |
| 057 | Lancaster | 2 | 1 | 2 | 0 | 1 | 0 | 2 |
| 059 | Laurens | 4 | 5 | 5 | 3 | 1 | 4 | 2 |
| 061 | Lee | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 063 | Lexington | 38 | 35 | 24 | 38 | 36 | 29 | 38 |
| 065 | McCormack | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 067 | Marion | 1 | 1 | 3 | 0 | 2 | 0 | 2 |
| 069 | Marlboro | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 071 | Newberry | 3 | 1 | 1 | 0 | 1 | 3 | 3 |
| 073 | Oconee | 4 | 7 | 8 | 7 | 18 | 15 | 9 |
| 075 | Orangeburg | 4 | 10 | 5 | 9 | 4 | 8 | 9 |
| 077 | Pickens | 9 | 20 | 23 | 22 | 31 | 22 | 32 |
| 079 | Richland | 23 | 25 | 19 | 26 | 18 | 22 | 22 |
| 081 | Saluda | 0 | 1 | 4 | 1 | 2 | 1 | 0 |
| 083 | Spartanburg | 56 | 60 | 72 | 60 | 61 | 48 | 67 |
| 085 | Sumter | 4 | 2 | 5 | 4 | 6 | 5 | 3 |
| 087 | Union | 0 | 2 | 0 | 0 | 1 | 1 | 0 |
| 089 | Williamsburg | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| 091 | York | 26 | 16 | 20 | 26 | 19 | 24 | 18 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | TOTAL | 375 | 415 | 449 | 423 | 439 | 443 | 471 |

SOUTH DAKOTA

Alphabetic Code: SD
Numeric Code: 46

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|---------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 003 | Aurora | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 005 | Beadle | 1 | 0 | 0 | 1 | 3 | 0 | 3 |
| 007 | Bennett | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| SOUTH DAKOTA | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|--------------|-------------|------|------|------|------|------|------|------|
| 009 | Bon Homme | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| 011 | Brookings | 0 | 0 | 3 | 1 | 4 | 2 | 3 |
| 013 | Brown | 2 | 3 | 1 | 0 | 0 | 0 | 2 |
| 015 | Brule | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 017 | Buffalo | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 019 | Butte | 2 | 0 | 0 | 0 | 0 | 1 | 1 |
| 021 | Campbell | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | Charles Mix | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 025 | Clark | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 027 | Clay | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 029 | Codington | 0 | 1 | 0 | 3 | 1 | 0 | 3 |
| 031 | Corson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 033 | Custer | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| 035 | Davison | 1 | 0 | 1 | 1 | 1 | 1 | 2 |
| 037 | Day | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 039 | Deuel | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 041 | Dewey | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 043 | Douglas | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 045 | Edmunds | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 047 | Fall River | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 049 | Faulk | 0 | 1 | 1 | 1 | 1 | 2 | 0 |
| 051 | Grant | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 053 | Gregory | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 055 | Haakon | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 057 | Hamlin | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 059 | Hand | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 061 | Hanson | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 063 | Harding | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 065 | Hughes | 2 | 1 | 1 | 0 | 1 | 0 | 2 |
| 067 | Hutchinson | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 069 | Hyde | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 071 | Jackson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 073 | Jerauld | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 075 | Jones | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 077 | Kingsbury | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 079 | Lake | 1 | 1 | 0 | 0 | 1 | 0 | 1 |
| 081 | Lawrence | 1 | 2 | 4 | 2 | 3 | 2 | 0 |
| 083 | Lincoln | 4 | 5 | 4 | 5 | 6 | 4 | 6 |
| 085 | Lyman | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 087 | McCook | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 089 | McPherson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 091 | Marshall | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 093 | Meade | 0 | 0 | 0 | 2 | 0 | 1 | 2 |
| 095 | Mellette | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 097 | Miner | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 099 | Minnehaha | 6 | 7 | 5 | 6 | 7 | 3 | 4 |
| 101 | Moody | 0 | 1 | 0 | 2 | 1 | 0 | 0 |
| 103 | Pennington | 6 | 1 | 8 | 3 | 10 | 6 | 6 |
| 105 | Perkins | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | Potter | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 109 | Roberts | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 111 | Sanborn | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 113 | Shannon | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115 | Spink | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 117 | Stanley | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 | Sully | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 | Todd | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 123 | Tripp | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 125 | Turner | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 127 | Union | 0 | 0 | 0 | 0 | 0 | 4 | 1 |
| 129 | Walworth | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135 | Yankton | 2 | 0 | 0 | 1 | 1 | 1 | 1 |
| 137 | Ziebach | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 34 | 28 | 34 | 34 | 45 | 34 | 43 |

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

TENNESSEE

Alphabetic Code: TN
Numeric Code: 47

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Anderson | 12 | 14 | 16 | 21 | 24 | 19 | 19 |
| 003 | Bedford | 1 | 3 | 6 | 2 | 2 | 3 | 2 |
| 005 | Benton | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 007 | Bledsoe | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | Blount | 11 | 13 | 4 | 6 | 8 | 12 | 11 |
| 011 | Bradley | 3 | 8 | 30 | 23 | 22 | 12 | 9 |
| 013 | Campbell | 0 | 0 | 1 | 1 | 0 | 2 | 0 |
| 015 | Cannon | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 017 | Carroll | 2 | 0 | 1 | 1 | 1 | 2 | 1 |
| 019 | Carter | 5 | 1 | 4 | 4 | 3 | 6 | 4 |
| 021 | Cheatham | 2 | 2 | 3 | 1 | 3 | 3 | 0 |
| 023 | Chester | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 025 | Claiborne | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 027 | Clay | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 029 | Cocke | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| 031 | Coffee | 3 | 3 | 3 | 5 | 3 | 4 | 6 |
| 033 | Crockett | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 035 | Cumberland | 1 | 2 | 1 | 2 | 1 | 0 | 1 |
| 037 | Davidson | 46 | 38 | 35 | 48 | 53 | 52 | 49 |
| 039 | Decatur | 0 | 0 | 1 | 0 | 0 | 0 | 4 |
| 041 | DeKalb | 1 | 1 | 0 | 1 | 0 | 1 | 1 |
| 043 | Dickson | 1 | 2 | 2 | 1 | 1 | 3 | 2 |
| 045 | Dyer | 2 | 2 | 0 | 1 | 2 | 1 | 2 |
| 047 | Fayette | 1 | 0 | 1 | 1 | 1 | 1 | 0 |
| 049 | Fentress | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 051 | Franklin | 2 | 1 | 3 | 3 | 4 | 3 | 3 |
| 053 | Gibson | 0 | 1 | 1 | 1 | 2 | 3 | 2 |
| 055 | Giles | 2 | 3 | 1 | 1 | 2 | 1 | 3 |
| 057 | Grainger | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 059 | Greene | 2 | 3 | 6 | 1 | 3 | 2 | 4 |
| 061 | Grundy | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
| 063 | Hamblen | 1 | 2 | 2 | 4 | 3 | 2 | 3 |
| 065 | Hamilton | 34 | 48 | 41 | 41 | 39 | 38 | 38 |
| 067 | Hancock | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 069 | Hardeman | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 071 | Hardin | 0 | 0 | 0 | 2 | 2 | 0 | 2 |
| 073 | Hawkins | 47 | 40 | 33 | 40 | 43 | 42 | 32 |
| 075 | Haywood | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 077 | Henderson | 2 | 0 | 0 | 3 | 1 | 3 | 0 |
| 079 | Henry | 2 | 4 | 6 | 4 | 2 | 1 | 3 |
| 081 | Hickman | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 083 | Houston | 0 | 1 | 2 | 0 | 0 | 0 | 2 |
| 085 | Humphreys | 0 | 0 | 2 | 2 | 0 | 1 | 3 |
| 087 | Jackson | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 089 | Jefferson | 4 | 6 | 2 | 3 | 1 | 2 | 7 |
| 091 | Johnson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 093 | Knox | 81 | 69 | 57 | 65 | 68 | 81 | 93 |
| 095 | Lake | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 097 | Lauderdale | 0 | 1 | 0 | 1 | 1 | 1 | 0 |
| 099 | Lawrence | 1 | 0 | 2 | 0 | 0 | 1 | 4 |
| 101 | Lewis | 0 | 0 | 1 | 1 | 1 | 0 | 3 |
| 103 | Lincoln | 0 | 3 | 1 | 3 | 4 | 3 | 3 |
| 105 | Loudon | 3 | 9 | 4 | 3 | 6 | 5 | 7 |
| 107 | McMinn | 3 | 8 | 9 | 5 | 1 | 3 | 6 |
| 109 | McNairy | 1 | 1 | 2 | 2 | 4 | 0 | 3 |
| 111 | Macon | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 113 | Madison | 4 | 8 | 5 | 9 | 10 | 7 | 9 |
| 115 | Marion | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 117 | Marshall | 0 | 2 | 1 | 0 | 1 | 1 | 2 |
| 119 | Maury | 2 | 2 | 1 | 1 | 2 | 1 | 0 |
| 121 | Meigs | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 123 | Monroe | 2 | 2 | 0 | 0 | 0 | 1 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| TENNESSEE | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-----------|-------------|------|------|------|------|------|------|------|
| 125 | Montgomery | 3 | 5 | 4 | 3 | 2 | 6 | 2 |
| 127 | Moore | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 129 | Morgan | 2 | 1 | 1 | 1 | 2 | 2 | 1 |
| 131 | Obion | 3 | 1 | 2 | 1 | 0 | 2 | 3 |
| 133 | Overton | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| 135 | Perry | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 137 | Pickett | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 139 | Polk | 1 | 2 | 1 | 0 | 0 | 0 | 0 |
| 141 | Putnam | 6 | 5 | 4 | 5 | 12 | 4 | 9 |
| 143 | Rhea | 2 | 0 | 3 | 1 | 1 | 1 | 1 |
| 145 | Roane | 22 | 11 | 12 | 21 | 17 | 17 | 18 |
| 147 | Robertson | 1 | 2 | 2 | 2 | 7 | 6 | 2 |
| 149 | Rutherford | 10 | 14 | 10 | 10 | 7 | 18 | 9 |
| 151 | Scott | 0 | 0 | 0 | 0 | 1 | 2 | 2 |
| 153 | Sequatchie | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 155 | Sevier | 4 | 1 | 5 | 6 | 1 | 10 | 8 |
| 157 | Shelby | 81 | 77 | 95 | 81 | 97 | 93 | 131 |
| 159 | Smith | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| 161 | Stewart | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 | Sullivan | 53 | 47 | 48 | 60 | 53 | 46 | 51 |
| 165 | Sumner | 4 | 9 | 8 | 5 | 14 | 14 | 14 |
| 167 | Tipton | 0 | 1 | 1 | 1 | 2 | 4 | 1 |
| 169 | Trousdale | 3 | 0 | 1 | 0 | 0 | 0 | 0 |
| 171 | Unicoi | 1 | 0 | 2 | 1 | 0 | 0 | 2 |
| 173 | Union | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 175 | Van Buren | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177 | Warren | 1 | 1 | 0 | 0 | 3 | 1 | 3 |
| 179 | Washington | 6 | 5 | 8 | 14 | 12 | 6 | 5 |
| 181 | Wayne | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 183 | Weakley | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 185 | White | 0 | 0 | 1 | 1 | 2 | 2 | 2 |
| 187 | Williamson | 9 | 22 | 28 | 21 | 18 | 33 | 18 |
| 189 | Wilson | 5 | 7 | 4 | 1 | 3 | 4 | 5 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | TOTAL | 510 | 518 | 535 | 555 | 592 | 597 | 635 |

TEXAS

Alphabetic Code: TX
Numeric Code: 48

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|-----------|------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Anderson | | 1 | 0 | 3 | 0 | 0 | 2 | 0 |
| 003 | Andrews | | 1 | 0 | 3 | 2 | 0 | 1 | 0 |
| 005 | Angelina | | 2 | 1 | 2 | 0 | 2 | 3 | 2 |
| 007 | Aransas | | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 009 | Archer | | 5 | 5 | 5 | 8 | 6 | 6 | 4 |
| 011 | Armstrong | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 013 | Atascosa | | 0 | 1 | 2 | 2 | 2 | 0 | 0 |
| 015 | Austin | | 2 | 6 | 3 | 0 | 4 | 0 | 6 |
| 017 | Bailey | | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 019 | Bandera | | 1 | 1 | 0 | 1 | 0 | 2 | 2 |
| 021 | Bastrop | | 9 | 7 | 12 | 3 | 8 | 7 | 6 |
| 023 | Baylor | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 025 | Bee | | 3 | 1 | 0 | 2 | 1 | 0 | 1 |
| 027 | Bell | | 3 | 6 | 7 | 8 | 10 | 4 | 7 |
| 029 | Bexar | | 105 | 96 | 110 | 106 | 134 | 127 | 140 |
| 031 | Blanco | | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 033 | Borden | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 035 | Bosque | | 1 | 1 | 1 | 0 | 1 | 1 | 2 |
| 037 | Bowie | | 1 | 3 | 2 | 2 | 7 | 0 | 4 |
| 039 | Brazoria | | 146 | 130 | 123 | 123 | 121 | 96 | 83 |
| 041 | Brazos | | 15 | 25 | 28 | 39 | 38 | 37 | 38 |
| 043 | Brewster | | 1 | 0 | 0 | 0 | 1 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| TEXAS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|---------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 045 | Briscoe | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 047 | Brooks | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 049 | Brown | 1 | 1 | 0 | 2 | 1 | 1 | 2 |
| 051 | Burleson | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 053 | Burnet | 3 | 1 | 1 | 3 | 7 | 3 | 4 |
| 055 | Caldwell | 6 | 4 | 4 | 2 | 4 | 2 | 4 |
| 057 | Calhoun | 1 | 2 | 0 | 0 | 1 | 0 | 0 |
| 059 | Callahan | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 061 | Cameron | 4 | 3 | 5 | 1 | 0 | 12 | 6 |
| 063 | Camp | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 065 | Carson | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 067 | Cass | 1 | 0 | 1 | 0 | 2 | 1 | 4 |
| 069 | Castro | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 071 | Chambers | 5 | 11 | 9 | 12 | 11 | 11 | 6 |
| 073 | Cherokee | 7 | 7 | 9 | 6 | 5 | 4 | 4 |
| 075 | Childress | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 077 | Clay | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 079 | Cochran | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 081 | Coke | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 083 | Coleman | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 085 | Collin | 196 | 217 | 223 | 227 | 300 | 298 | 352 |
| 087 | Collingsworth | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 089 | Colorado | 1 | 0 | 2 | 1 | 5 | 0 | 1 |
| 091 | Comal | 4 | 2 | 4 | 7 | 6 | 7 | 6 |
| 093 | Comanche | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 095 | Concho | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 097 | Cooke | 1 | 3 | 0 | 0 | 2 | 2 | 2 |
| 099 | Coryell | 0 | 1 | 0 | 1 | 1 | 1 | 2 |
| 101 | Cottle | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | Crane | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 105 | Crockett | | | | | | | |
| 107 | Crosby | 2 | 0 | 0 | 0 | 0 | 1 | 0 |
| 109 | Culberson | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | Dallam | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| 113 | Dallas | 209 | 211 | 236 | 225 | 271 | 280 | 297 |
| 115 | Dawson | 1 | 1 | 2 | 1 | 2 | 1 | 0 |
| 117 | Deaf Smith | 1 | 1 | 4 | 0 | 0 | 1 | 0 |
| 119 | Delta | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 121 | Denton | 195 | 224 | 223 | 228 | 284 | 288 | 339 |
| 123 | DeWitt | 1 | 0 | 1 | 1 | 2 | 1 | 0 |
| 125 | Dickens | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127 | Dimmit | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 129 | Donley | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 131 | Duval | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 133 | Eastland | 1 | 3 | 0 | 0 | 1 | 2 | 1 |
| 135 | Ector | 5 | 6 | 2 | 5 | 7 | 6 | 7 |
| 137 | Edwards | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 139 | Ellis | 14 | 7 | 17 | 12 | 11 | 15 | 20 |
| 141 | El Paso | 23 | 23 | 21 | 14 | 12 | 20 | 18 |
| 143 | Erath | 1 | 2 | 1 | 0 | 2 | 2 | 1 |
| 145 | Falls | 1 | 0 | 0 | 0 | 0 | 3 | 1 |
| 147 | Fannin | 2 | 2 | 1 | 1 | 2 | 2 | 0 |
| 149 | Fayette | 2 | 1 | 1 | 1 | 1 | 2 | 5 |
| 151 | Fisher | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 153 | Floyd | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 155 | Foard | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157 | Fort Bend | 328 | 353 | 363 | 354 | 409 | 377 | 352 |
| 159 | Franklin | 5 | 8 | 14 | 7 | 7 | 10 | 7 |
| 161 | Freestone | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 163 | Frio | 2 | 2 | 2 | 1 | 0 | 0 | 2 |
| 165 | Gaines | 2 | 0 | 0 | 0 | 0 | 1 | 1 |
| 167 | Galveston | 32 | 41 | 45 | 51 | 53 | 44 | 42 |
| 169 | Garza | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 171 | Gillespie | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| 173 | Glasscock | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | Goliad | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 177 | Gonzales | 0 | 0 | 2 | 2 | 0 | 3 | 0 |
| 179 | Gray | 3 | 2 | 1 | 2 | 2 | 3 | 5 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| TEXAS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 181 | Grayson | 18 | 17 | 19 | 14 | 16 | 8 | 34 |
| 183 | Gregg | 12 | 12 | 12 | 9 | 9 | 12 | 8 |
| 185 | Grimes | 1 | 0 | 1 | 1 | 1 | 0 | 0 |
| 187 | Guadalupe | 5 | 3 | 5 | 7 | 5 | 7 | 5 |
| 189 | Hale | 1 | 3 | 1 | 1 | 1 | 2 | 2 |
| 191 | Hall | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 | Hamilton | 1 | 2 | 4 | 1 | 0 | 0 | 0 |
| 195 | Hansford | 0 | 2 | 2 | 0 | 0 | 1 | 0 |
| 197 | Hardeman | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 | Hardin | 1 | 3 | 1 | 4 | 0 | 5 | 3 |
| 201 | Harris | 383 | 438 | 441 | 428 | 452 | 457 | 434 |
| 203 | Harrison | 13 | 13 | 10 | 10 | 14 | 15 | 16 |
| 205 | Hartley | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| 207 | Haskell | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 209 | Hays | 9 | 5 | 8 | 9 | 7 | 12 | 23 |
| 211 | Hemphill | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 213 | Henderson | 3 | 4 | 1 | 2 | 3 | 3 | 3 |
| 215 | Hidalgo | 0 | 2 | 2 | 7 | 5 | 3 | 3 |
| 217 | Hill | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 219 | Hockley | 1 | 0 | 2 | 3 | 1 | 0 | 0 |
| 221 | Hood | 2 | 2 | 1 | 1 | 1 | 4 | 3 |
| 223 | Hopkins | 2 | 3 | 3 | 2 | 1 | 0 | 1 |
| 225 | Houston | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 227 | Howard | 8 | 10 | 2 | 4 | 4 | 0 | 1 |
| 229 | Hudspeth | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 231 | Hunt | 17 | 6 | 5 | 7 | 5 | 5 | 5 |
| 233 | Hutchinson | 3 | 5 | 2 | 3 | 6 | 5 | 3 |
| 235 | Irion | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 237 | Jack | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 239 | Jackson | 0 | 2 | 1 | 1 | 0 | 0 | 0 |
| 241 | Jasper | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| 243 | Jeff Davis | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 245 | Jefferson | 29 | 18 | 32 | 25 | 33 | 30 | 32 |
| 247 | Jim Hogg | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 249 | Jim Wells | 1 | 1 | 0 | 1 | 0 | 2 | 0 |
| 251 | Johnson | 3 | 10 | 5 | 6 | 5 | 10 | 11 |
| 253 | Jones | 2 | 5 | 3 | 2 | 3 | 5 | 4 |
| 255 | Karnes | 0 | 1 | 0 | 4 | 0 | 1 | 0 |
| 257 | Kaufman | 47 | 52 | 62 | 62 | 60 | 72 | 76 |
| 259 | Kendall | 5 | 1 | 2 | 0 | 5 | 2 | 1 |
| 261 | Kenedy | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 263 | Kent | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 265 | Kerr | 3 | 3 | 2 | 4 | 5 | 1 | 4 |
| 267 | Kimble | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 269 | King | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 271 | Kinney | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 273 | Kleberg | 10 | 8 | 10 | 10 | 15 | 12 | 11 |
| 275 | Knox | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 277 | Lamar | 1 | 3 | 1 | 3 | 2 | 0 | 1 |
| 279 | Lamb | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 281 | Lampasas | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| 283 | La Salle | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 285 | Lavaca | 2 | 2 | 2 | 2 | 2 | 2 | 1 |
| 287 | Lee | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| 289 | Leon | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 291 | Liberty | 0 | 3 | 4 | 2 | 2 | 1 | 0 |
| 293 | Limestone | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 295 | Lipscomb | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 297 | Live Oak | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 299 | Llano | 2 | 0 | 0 | 0 | 2 | 0 | 2 |
| 301 | Loving | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 303 | Lubbock | 21 | 24 | 14 | 15 | 21 | 24 | 25 |
| 305 | Lynn | 1 | 0 | 2 | 1 | 1 | 1 | 1 |
| 307 | McCulloch | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 309 | McLennan | 4 | 7 | 6 | 10 | 16 | 12 | 16 |
| 311 | McMullen | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 313 | Madison | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 315 | Marion | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| TEXAS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|---------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 317 | Martin | 5 | 5 | 8 | 8 | 14 | 8 | 7 |
| 319 | Mason | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 321 | Matagorda | 0 | 1 | 0 | 0 | 4 | 1 | 0 |
| 323 | Maverick | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 325 | Medina | 1 | 2 | 3 | 2 | 4 | 0 | 3 |
| 327 | Menard | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 329 | Midland | 10 | 10 | 10 | 13 | 21 | 13 | 14 |
| 331 | Milam | 1 | 1 | 0 | 3 | 1 | 1 | 0 |
| 333 | Mills | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 335 | Mitchell | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1023 | Montague | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| 339 | Montgomery | 281 | 303 | 337 | 302 | 345 | 327 | 316 |
| 341 | Moore | 1 | 2 | 1 | 0 | 0 | 0 | 2 |
| 343 | Morris | 3 | 2 | 0 | 1 | 1 | 0 | 1 |
| 345 | Motley | 0 | 1 | 0 | 2 | 0 | 0 | 0 |
| 347 | Nacogdoches | 2 | 2 | 1 | 2 | 4 | 4 | 7 |
| 349 | Navarro | 0 | 3 | 1 | 0 | 1 | 2 | 2 |
| 351 | Newton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 353 | Nolan | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 355 | Nueces | 10 | 11 | 13 | 14 | 14 | 13 | 12 |
| 357 | Ochiltree | 2 | 1 | 1 | 1 | 1 | 0 | 0 |
| 359 | Oldham | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 361 | Orange | 8 | 16 | 10 | 17 | 10 | 12 | 17 |
| 363 | Palo Pinto | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 365 | Panola | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 367 | Parker | 10 | 11 | 13 | 13 | 14 | 11 | 7 |
| 369 | Parmer | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 371 | Pecos | 2 | 1 | 0 | 0 | 1 | 0 | 0 |
| 373 | Polk | 3 | 5 | 2 | 4 | 3 | 0 | 2 |
| 375 | Potter | 5 | 5 | 5 | 6 | 7 | 4 | 5 |
| 377 | Presidio | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 379 | Rains | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 381 | Randall | 6 | 7 | 8 | 13 | 12 | 9 | 9 |
| 383 | Reagan | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 385 | Real | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 387 | Red River | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 389 | Reeves | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 391 | Refugio | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 393 | Roberts | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 395 | Robertson | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 397 | Rockwall | 68 | 75 | 82 | 80 | 99 | 99 | 110 |
| 399 | Runnels | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 401 | Rusk | 1 | 2 | 1 | 3 | 3 | 2 | 2 |
| 403 | Sabine | 1 | 2 | 0 | 0 | 0 | 0 | 0 |
| 405 | San Augustine | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 407 | San Jacinto | 1 | 0 | 0 | 1 | 1 | 3 | 5 |
| 409 | San Patricio | 11 | 12 | 15 | 12 | 19 | 14 | 12 |
| 411 | San Saba | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 413 | Schleicher | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 415 | Scurry | 1 | 2 | 2 | 1 | 1 | 1 | 1 |
| 417 | Shackelford | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 419 | Shelby | 1 | 1 | 1 | 2 | 1 | 1 | 0 |
| 421 | Sherman | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 423 | Smith | 8 | 11 | 18 | 12 | 14 | 19 | 11 |
| 425 | Somervell | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 427 | Starr | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 429 | Stephens | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 431 | Sterling | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 433 | Stonewall | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 435 | Sutton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 437 | Swisher | 2 | 0 | 2 | 0 | 0 | 0 | 1 |
| 439 | Tarrant | 131 | 128 | 154 | 158 | 179 | 193 | 230 |
| 441 | Taylor | 2 | 4 | 3 | 2 | 5 | 5 | 5 |
| 443 | Terrell | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 445 | Terry | 1 | 0 | 0 | 0 | 2 | 0 | 1 |
| 447 | Throckmorton | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 449 | Titus | 2 | 1 | 2 | 0 | 1 | 2 | 1 |
| 451 | Tom Green | 5 | 4 | 4 | 4 | 2 | 3 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| TEXAS | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------|-------------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | |
| 453 | Travis | 162 | 189 | 212 | 258 | 288 | 333 | 397 |
| 455 | Trinity | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 457 | Tyler | 2 | 0 | 1 | 0 | 0 | 0 | 2 |
| 459 | Upshur | 1 | 2 | 2 | 4 | 1 | 1 | 2 |
| 461 | Upton | 1 | 2 | 1 | 0 | 0 | 0 | 1 |
| 463 | Uvalde | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| 465 | Val Verde | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 467 | Van Zandt | 0 | 3 | 1 | 1 | 2 | 0 | 3 |
| 469 | Victoria | 2 | 7 | 3 | 4 | 2 | 2 | 3 |
| 471 | Walker | 3 | 3 | 6 | 5 | 2 | 2 | 2 |
| 473 | Waller | 12 | 18 | 11 | 12 | 15 | 17 | 14 |
| 475 | Ward | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 477 | Washington | 3 | 1 | 2 | 0 | 4 | 0 | 7 |
| 479 | Webb | 1 | 2 | 1 | 1 | 4 | 1 | 1 |
| 481 | Wharton | 0 | 2 | 2 | 5 | 3 | 4 | 0 |
| 483 | Wheeler | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| 485 | Wichita | 5 | 5 | 5 | 8 | 8 | 6 | 6 |
| 487 | Wilbarger | 0 | 0 | 1 | 0 | 2 | 0 | 0 |
| 489 | Willacy | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 491 | Williamson | 168 | 197 | 219 | 264 | 291 | 329 | 401 |
| 493 | Wilson | 1 | 0 | 2 | 1 | 0 | 1 | 7 |
| 495 | Winkler | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 497 | Wise | 2 | 1 | 2 | 2 | 3 | 4 | 3 |
| 499 | Wood | 1 | 2 | 2 | 0 | 0 | 1 | 0 |
| 501 | Yoakum | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 503 | Young | 1 | 3 | 1 | 1 | 1 | 5 | 1 |
| 505 | Zapata | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 507 | Zavala | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 999 | UNKNOWN | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| | TOTAL | 2933 | 3180 | 3353 | 3387 | 3876 | 3886 | 4170 |

UTAH

**Alphabetic Code: UT
Numeric Code: 49**

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Beaver | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 003 | Box Elder | 3 | 6 | 6 | 3 | 13 | 25 | 14 |
| 005 | Cache | 29 | 37 | 27 | 28 | 30 | 49 | 35 |
| 007 | Carbon | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| 009 | Daggett | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 011 | Davis | 24 | 30 | 27 | 36 | 51 | 43 | 61 |
| 013 | Duchesne | 0 | 1 | 2 | 2 | 2 | 2 | 1 |
| 015 | Emery | 0 | 0 | 0 | 0 | 2 | 0 | 3 |
| 017 | Garfield | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 019 | Grand | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 021 | Iron | 0 | 1 | 2 | 0 | 3 | 4 | 2 |
| 023 | Juab | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 025 | Kane | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 027 | Millard | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 029 | Morgan | 0 | 0 | 0 | 0 | 1 | 3 | 1 |
| 031 | Piute | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 033 | Rich | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 035 | Salt Lake | 185 | 197 | 214 | 234 | 208 | 233 | 257 |
| 037 | San Juan | 0 | 2 | 1 | 2 | 0 | 0 | 0 |
| 039 | Sanpete | 0 | 4 | 2 | 1 | 3 | 5 | 0 |
| 041 | Sevier | 0 | 1 | 2 | 1 | 2 | 0 | 3 |
| 043 | Summit | 1 | 2 | 2 | 5 | 7 | 6 | 9 |
| 045 | Tooele | 0 | 0 | 0 | 1 | 0 | 3 | 1 |
| 047 | Uintah | 2 | 0 | 2 | 5 | 1 | 1 | 1 |
| 049 | Utah | 47 | 46 | 58 | 51 | 47 | 53 | 52 |
| 051 | Wasatch | 2 | 4 | 2 | 8 | 13 | 6 | 12 |
| 053 | Washington | 3 | 2 | 2 | 4 | 2 | 8 | 6 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| UTAH | | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|------|---------|-------------|------|------|------|------|------|------|------|
| 055 | Wayne | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 057 | Weber | 27 | 36 | 28 | 37 | 36 | 67 | 83 | |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | TOTAL | 324 | 371 | 378 | 421 | 422 | 509 | 542 | |

VERMONT

Alphabetic Code: VT
Numeric Code: 50

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Addison | 5 | 7 | 9 | 6 | 7 | 5 | 9 |
| 003 | | Bennington | 6 | 7 | 2 | 5 | 3 | 4 | 5 |
| 005 | | Caledonia | 2 | 1 | 3 | 7 | 2 | 3 | 9 |
| 007 | | Chittenden | 68 | 55 | 63 | 67 | 66 | 91 | 168 |
| 009 | | Essex | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 011 | | Franklin | 3 | 2 | 1 | 3 | 5 | 4 | 7 |
| 013 | | Grand Isle | 0 | 3 | 3 | 2 | 0 | 2 | 4 |
| 015 | | Lamoille | 4 | 3 | 1 | 4 | 4 | 4 | 6 |
| 017 | | Orange | 8 | 3 | 3 | 5 | 0 | 6 | 5 |
| 019 | | Orleans | 5 | 1 | 1 | 1 | 4 | 1 | 1 |
| 021 | | Rutland | 4 | 3 | 5 | 4 | 10 | 6 | 6 |
| 023 | | Washington | 5 | 3 | 5 | 8 | 14 | 3 | 8 |
| 025 | | Windham | 4 | 1 | 7 | 5 | 9 | 4 | 8 |
| 027 | | Windsor | 14 | 12 | 13 | 13 | 16 | 15 | 16 |
| 999 | | UNKNOWN | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| | TOTAL | | 130 | 101 | 117 | 130 | 140 | 149 | 254 |

VIRGINIA

Alphabetic Code: VA
Numeric Code: 51

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|--------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Accomack | 0 | 1 | 1 | 0 | 1 | 0 | 1 |
| 003 | | Albemarle | 14 | 7 | 7 | 7 | 3 | 5 | 5 |
| 005 | | Alleghany | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 007 | | Amelia | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 009 | | Amherst | 0 | 3 | 0 | 0 | 1 | 2 | 3 |
| 011 | | Appomatox | 0 | 1 | 1 | 1 | 0 | 0 | 1 |
| 013 | | Arlington | 16 | 40 | 32 | 17 | 29 | 22 | 19 |
| 015 | | Augusta | 3 | 2 | 0 | 1 | 6 | 2 | 5 |
| 017 | | Bath | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 019 | | Bedford | 10 | 18 | 21 | 15 | 15 | 12 | 9 |
| 021 | | Bland | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 023 | | Botetourt | 2 | 1 | 3 | 10 | 13 | 6 | 5 |
| 025 | | Brunswick | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 027 | | Buchanan | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| 029 | | Buckingham | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 031 | | Campbell | 1 | 3 | 4 | 3 | 2 | 3 | 1 |
| 033 | | Caroline | 1 | 2 | 0 | 0 | 0 | 1 | 3 |
| 035 | | Carroll | 1 | 2 | 0 | 0 | 1 | 0 | 1 |
| 036 | | Charles City | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 037 | | Charlotte | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 041 | | Chesterfield | 34 | 43 | 50 | 60 | 54 | 45 | 48 |
| 043 | | Clarke | 1 | 0 | 1 | 0 | 0 | 3 | 0 |
| 045 | | Craig | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 047 | | Culpeper | 1 | 1 | 2 | 0 | 3 | 0 | 5 |
| 049 | | Cumberland | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| 051 | | Dickenson | 1 | 1 | 1 | 0 | 0 | 0 | 2 |

(continued)

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| VIRGINIA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-------------|----------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 053 | Dinwiddie | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 057 | Essex | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 059 | Fairfax | 125 | 93 | 121 | 101 | 129 | 130 | 163 |
| 061 | Fauquier | 7 | 6 | 3 | 9 | 11 | 6 | 8 |
| 063 | Floyd | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 065 | Fluvanna | 2 | 0 | 1 | 3 | 3 | 1 | 0 |
| 067 | Franklin | 1 | 1 | 1 | 2 | 2 | 1 | 0 |
| 069 | Frederick | 2 | 0 | 1 | 2 | 1 | 2 | 4 |
| 071 | Giles | 1 | 1 | 3 | 0 | 1 | 0 | 0 |
| 073 | Gloucester | 2 | 4 | 9 | 3 | 6 | 1 | 1 |
| 075 | Goochland | 5 | 0 | 2 | 6 | 5 | 2 | 2 |
| 077 | Grayson | 1 | 1 | 2 | 0 | 2 | 0 | 1 |
| 079 | Greene | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 081 | Greensville | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 083 | Halifax | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 085 | Hanover | 7 | 13 | 13 | 14 | 5 | 8 | 11 |
| 087 | Henrico | 0 | 7 | 7 | 9 | 7 | 5 | 3 |
| 089 | Henry | 0 | 0 | 2 | 0 | 0 | 1 | 2 |
| 091 | Highland | 0 | 2 | 1 | 1 | 7 | 4 | 3 |
| 093 | Isle of Wight | 1 | 0 | 0 | 0 | 2 | 1 | 5 |
| 095 | James City | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 097 | King and Queen | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 099 | King George | 5 | 6 | 8 | 4 | 8 | 6 | 9 |
| 101 | King William | 2 | 0 | 0 | 0 | 0 | 1 | 0 |
| 103 | Lancaster | 2 | 1 | 1 | 0 | 2 | 4 | 1 |
| 105 | Lee | 1 | 0 | 1 | 2 | 0 | 1 | 0 |
| 107 | Loudoun | 10 | 13 | 16 | 16 | 9 | 23 | 25 |
| 109 | Louisa | 2 | 1 | 1 | 1 | 0 | 1 | 1 |
| 111 | Lunenburg | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 | Madison | 1 | 1 | 2 | 1 | 1 | 1 | 0 |
| 115 | Mathews | 1 | 0 | 0 | 1 | 3 | 0 | 1 |
| 117 | Mecklenburg | 1 | 1 | 3 | 1 | 0 | 2 | 2 |
| 119 | Middlesex | 2 | 2 | 2 | 2 | 1 | 1 | 2 |
| 121 | Montgomery | 18 | 25 | 34 | 25 | 39 | 34 | 32 |
| 125 | Nelson | 3 | 2 | 2 | 2 | 3 | 2 | 0 |
| 127 | New Kent | 2 | 1 | 2 | 4 | 3 | 0 | 1 |
| 131 | Northampton | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 133 | Northumberland | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 135 | Nottoway | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| 137 | Orange | 1 | 3 | 1 | 2 | 1 | 2 | 1 |
| 139 | Page | 2 | 0 | 3 | 0 | 0 | 0 | 1 |
| 141 | Patrick | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| 143 | Pittsylvania | 0 | 0 | 4 | 0 | 2 | 0 | 4 |
| 145 | Powhatan | 5 | 2 | 1 | 4 | 5 | 3 | 4 |
| 147 | Prince Edward | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| 149 | Prince George | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| 153 | Prince William | 14 | 15 | 9 | 21 | 11 | 19 | 15 |
| 155 | Pulaski | 1 | 2 | 2 | 2 | 1 | 1 | 5 |
| 157 | Rappahannock | 0 | 1 | 1 | 2 | 1 | 0 | 0 |
| 159 | Richmond | 0 | 0 | 1 | 2 | 1 | 0 | 0 |
| 161 | Roanoke | 0 | 0 | 1 | 1 | 1 | 2 | 1 |
| 163 | Rockbridge | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 165 | Rockingham | 0 | 8 | 7 | 2 | 1 | 3 | 6 |
| 167 | Russell | 0 | 0 | 2 | 1 | 0 | 0 | 1 |
| 169 | Scott | 2 | 1 | 1 | 0 | 1 | 0 | 0 |
| 171 | Shenandoah | 1 | 1 | 3 | 2 | 2 | 4 | 3 |
| 173 | Smyth | 5 | 0 | 3 | 3 | 3 | 2 | 4 |
| 175 | Southampton | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 177 | Spotsylvania | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| 179 | Stafford | 6 | 7 | 2 | 3 | 1 | 4 | 6 |
| 181 | Surry | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 183 | Sussex | 0 | 1 | 0 | 1 | 1 | 1 | 1 |
| 185 | Tazewell | 2 | 2 | 0 | 2 | 3 | 2 | 1 |
| 187 | Warren | 0 | 1 | 0 | 2 | 1 | 3 | 4 |
| 191 | Washington | 2 | 2 | 10 | 11 | 8 | 7 | 3 |
| 193 | Westmoreland | 1 | 0 | 0 | 1 | 2 | 1 | 2 |
| 195 | Wise | 0 | 1 | 0 | 2 | 0 | 0 | 1 |
| 197 | Wythe | 0 | 0 | 0 | 1 | 1 | 0 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| VIRGINIA | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|----------|-------------------------|------|------|------|------|------|------|------|
| 199 | York | 18 | 16 | 23 | 33 | 16 | 17 | 23 |
| 510 | Alexandria (city) | 56 | 51 | 41 | 58 | 54 | 55 | 42 |
| 515 | Bedford (city) | 0 | 1 | 2 | 1 | 1 | 4 | 2 |
| 520 | Bristol (city) | 2 | 2 | 3 | 4 | 6 | 3 | 5 |
| 530 | Buena Vista (city) | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 540 | Charlottesville (city) | 22 | 33 | 15 | 18 | 20 | 17 | 28 |
| 550 | Chesapeake (city) | 9 | 5 | 7 | 4 | 6 | 6 | 7 |
| 560 | Clifton Forge (city) | 1 | 0 | 0 | 3 | 3 | 2 | 0 |
| 570 | Colonial Heights (city) | 2 | 3 | 3 | 3 | 0 | 0 | 0 |
| 580 | Covington (city) | 5 | 4 | 5 | 3 | 6 | 7 | 2 |
| 590 | Danville (city) | 1 | 2 | 2 | 0 | 1 | 1 | 1 |
| 600 | Fairfax (city) | 20 | 12 | 13 | 15 | 20 | 24 | 19 |
| 610 | Falls Church (city) | 13 | 29 | 16 | 15 | 22 | 19 | 12 |
| 620 | Franklin (city) | 0 | 1 | 2 | 0 | 0 | 0 | 1 |
| 630 | Fredericksburg (city) | 13 | 10 | 9 | 10 | 9 | 3 | 2 |
| 640 | Galax (city) | 1 | 2 | 0 | 1 | 0 | 1 | 1 |
| 650 | Hampton (city) | 8 | 14 | 9 | 12 | 13 | 10 | 8 |
| 660 | Harrisonburg (city) | 3 | 1 | 3 | 6 | 2 | 1 | 5 |
| 670 | Hopewell (city) | 3 | 5 | 6 | 3 | 3 | 2 | 3 |
| 678 | Lexington (city) | 1 | 1 | 2 | 4 | 2 | 5 | 1 |
| 680 | Lynchburg (city) | 32 | 20 | 46 | 31 | 21 | 27 | 23 |
| 683 | Manassas (city) | 10 | 17 | 18 | 14 | 15 | 20 | 20 |
| 685 | Manassas Park (city) | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| 690 | Martinsville (city) | 1 | 1 | 5 | 4 | 1 | 1 | 0 |
| 700 | Newport News (city) | 24 | 34 | 27 | 34 | 24 | 24 | 22 |
| 710 | Norfolk (city) | 8 | 11 | 10 | 14 | 11 | 10 | 21 |
| 720 | Norton (city) | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 730 | Petersburg (city) | 3 | 2 | 1 | 1 | 0 | 1 | 0 |
| 735 | Poquoson (city) | 7 | 1 | 9 | 8 | 8 | 6 | 3 |
| 740 | Portsmouth (city) | 2 | 0 | 2 | 3 | 3 | 2 | 0 |
| 750 | Radford (city) | 2 | 1 | 0 | 1 | 0 | 5 | 2 |
| 760 | Richmond (city) | 72 | 98 | 104 | 78 | 67 | 65 | 70 |
| 770 | Roanoke (city) | 22 | 29 | 26 | 31 | 38 | 22 | 19 |
| 775 | Salem (city) | 6 | 12 | 14 | 10 | 7 | 8 | 7 |
| 780 | South Boston (city) | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| 790 | Staunton (city) | 2 | 2 | 0 | 3 | 3 | 2 | 3 |
| 800 | Suffolk (city) | 0 | 2 | 4 | 5 | 0 | 2 | 0 |
| 810 | Virginia Beach (city) | 23 | 21 | 24 | 23 | 23 | 22 | 18 |
| 820 | Waynesboro (city) | 3 | 8 | 5 | 5 | 5 | 5 | 9 |
| 830 | Williamsburg (city) | 10 | 13 | 20 | 16 | 14 | 12 | 17 |
| 840 | Winchester (city) | 5 | 10 | 4 | 5 | 2 | 4 | 9 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | TOTAL | 746 | 832 | 898 | 879 | 860 | 822 | 865 |

WASHINGTON

Alphabetic Code: WA
Numeric Code: 53

| Code | County | Name | Year of Utility Patent Grant | | | | | |
|------|--------|--------------|------------------------------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 |
| 001 | | Adams | 1 | 1 | 0 | 0 | 2 | 0 |
| 003 | | Asotin | 2 | 1 | 0 | 0 | 1 | 1 |
| 005 | | Benton | 36 | 31 | 40 | 40 | 29 | 33 |
| 007 | | Chelan | 4 | 2 | 4 | 2 | 3 | 5 |
| 009 | | Clallam | 5 | 3 | 2 | 1 | 3 | 10 |
| 011 | | Clark | 39 | 44 | 50 | 42 | 57 | 73 |
| 013 | | Columbia | 0 | 0 | 0 | 0 | 0 | 0 |
| 015 | | Cowlitz | 6 | 7 | 2 | 3 | 8 | 6 |
| 017 | | Douglas | 1 | 1 | 2 | 1 | 0 | 3 |
| 019 | | Ferry | 0 | 0 | 0 | 0 | 0 | 0 |
| 021 | | Franklin | 4 | 0 | 4 | 3 | 6 | 7 |
| 023 | | Garfield | 0 | 0 | 0 | 0 | 0 | 1 |
| 025 | | Grant | 5 | 3 | 1 | 1 | 3 | 4 |
| 027 | | Grays Harbor | 4 | 14 | 4 | 7 | 7 | 8 |
| | | (continued) | | | | | | |

TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996

| WASHINGTON | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|------------|--------------|-----|------|------|------|------|------|------|------|
| | (continued) | | | | | | | | |
| 029 | Island | | 4 | 4 | 2 | 7 | 5 | 8 | 9 |
| 031 | Jefferson | | 0 | 2 | 3 | 7 | 2 | 4 | 4 |
| 033 | King | 484 | 518 | 534 | 489 | 520 | 560 | 661 | |
| 035 | Kitsap | 9 | 10 | 15 | 27 | 24 | 14 | 35 | |
| 037 | Kittitas | 2 | 1 | 2 | 1 | 2 | 2 | 2 | |
| 039 | Klickitat | 1 | 3 | 1 | 0 | 2 | 0 | 1 | |
| 041 | Lewis | 1 | 6 | 0 | 3 | 3 | 7 | 7 | |
| 043 | Lincoln | 0 | 1 | 1 | 1 | 2 | 1 | 1 | |
| 045 | Mason | 2 | 2 | 2 | 0 | 2 | 2 | 3 | |
| 047 | Okanogan | 1 | 1 | 0 | 1 | 2 | 0 | 0 | |
| 049 | Pacific | 0 | 0 | 1 | 3 | 2 | 1 | 1 | |
| 051 | Pend Oreille | 0 | 0 | 0 | 1 | 0 | 1 | 0 | |
| 053 | Pierce | 61 | 60 | 59 | 50 | 55 | 53 | 38 | |
| 055 | San Juan | 1 | 2 | 3 | 6 | 7 | 1 | 5 | |
| 057 | Skagit | 7 | 16 | 8 | 8 | 15 | 12 | 10 | |
| 059 | Skamania | 1 | 2 | 1 | 0 | 1 | 1 | 0 | |
| 061 | Snohomish | 85 | 101 | 86 | 85 | 80 | 101 | 132 | |
| 063 | Spokane | 42 | 39 | 42 | 52 | 47 | 42 | 38 | |
| 065 | Stevens | 2 | 3 | 4 | 0 | 3 | 0 | 0 | |
| 067 | Thurston | 5 | 8 | 5 | 3 | 8 | 11 | 9 | |
| 069 | Wahkiakum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 071 | Walla Walla | 2 | 6 | 5 | 3 | 11 | 9 | 6 | |
| 073 | Whatcom | 29 | 33 | 21 | 26 | 23 | 32 | 33 | |
| 075 | Whitman | 7 | 13 | 15 | 8 | 10 | 9 | 4 | |
| 077 | Yakima | 19 | 14 | 12 | 15 | 14 | 14 | 16 | |
| 999 | UNKNOWN | 0 | 1 | 0 | 1 | 1 | 0 | 1 | |
| | TOTAL | 872 | 953 | 931 | 897 | 960 | 1036 | 1145 | |

WEST VIRGINIA

Alphabetic Code: WV
Numeric Code: 54

| Code | County | Name | Year of Utility Patent Grant | | | | | | |
|------|--------|------------|------------------------------|------|------|------|------|------|------|
| | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | | Barbour | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 003 | | Berkeley | 3 | 1 | 2 | 1 | 0 | 2 | 1 |
| 005 | | Boone | 0 | 3 | 0 | 0 | 1 | 0 | 2 |
| 007 | | Braxton | 0 | 2 | 0 | 0 | 0 | 2 | 2 |
| 009 | | Brooke | 6 | 7 | 3 | 9 | 10 | 11 | 6 |
| 011 | | Cabell | 13 | 8 | 8 | 9 | 9 | 3 | 2 |
| 013 | | Calhoun | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 015 | | Clay | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| 017 | | Doddridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 019 | | Fayette | 3 | 0 | 2 | 4 | 1 | 2 | 0 |
| 021 | | Gilmer | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 023 | | Grant | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
| 025 | | Greenbrier | 1 | 4 | 2 | 0 | 0 | 1 | 3 |
| 027 | | Hampshire | 0 | 0 | 0 | 1 | 1 | 2 | 1 |
| 029 | | Hancock | 2 | 2 | 3 | 4 | 2 | 2 | 2 |
| 031 | | Hardy | 1 | 0 | 0 | 0 | 0 | 3 | 0 |
| 033 | | Harrison | 6 | 1 | 7 | 6 | 1 | 0 | 2 |
| 035 | | Jackson | 0 | 0 | 0 | 1 | 2 | 2 | 2 |
| 037 | | Jefferson | 0 | 2 | 3 | 4 | 3 | 4 | 4 |
| 039 | | Kanawha | 58 | 51 | 60 | 58 | 31 | 28 | 23 |
| 041 | | Lewis | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 043 | | Lincoln | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 045 | | Logan | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 047 | | McDowell | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 049 | | Marion | 3 | 0 | 7 | 2 | 2 | 4 | 3 |
| 051 | | Marshall | 3 | 4 | 4 | 5 | 10 | 6 | 3 |
| 053 | | Mason | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 055 | | Mercer | 5 | 1 | 3 | 1 | 2 | 2 | 3 |
| 057 | | Mineral | 1 | 2 | 1 | 0 | 2 | 0 | 1 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| WEST VIRGINIA | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---------------|------------|------|------|------|------|------|------|------|
| (continued) | | | | | | | | |
| 059 | Mingo | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 061 | Monongalia | 12 | 11 | 12 | 13 | 9 | 9 | 16 |
| 063 | Monroe | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 065 | Morgan | 0 | 2 | 2 | 1 | 2 | 1 | 0 |
| 067 | Nicholas | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 069 | Ohio | 1 | 3 | 2 | 2 | 3 | 2 | 3 |
| 071 | Pendleton | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 073 | Pleasants | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 075 | Pocahontas | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 077 | Preston | 0 | 0 | 2 | 1 | 2 | 1 | 1 |
| 079 | Putnam | 2 | 2 | 13 | 20 | 12 | 12 | 5 |
| 081 | Raleigh | 2 | 2 | 8 | 1 | 3 | 1 | 3 |
| 083 | Randolph | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 085 | Ritchie | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| 087 | Roane | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 089 | Summers | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 091 | Taylor | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 093 | Tucker | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 095 | Tyler | 1 | 1 | 1 | 3 | 2 | 1 | 0 |
| 097 | Upshur | 1 | 0 | 1 | 1 | 0 | 1 | 0 |
| 099 | Wayne | 8 | 6 | 6 | 4 | 6 | 2 | 3 |
| 101 | Webster | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 103 | Wetzel | 0 | 3 | 8 | 3 | 3 | 3 | 3 |
| 105 | Wirt | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 107 | Wood | 23 | 37 | 18 | 18 | 19 | 23 | 19 |
| 109 | Wyoming | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 999 | UNKNOWN | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 157 | 164 | 184 | 176 | 144 | 136 | 116 |

WISCONSIN

Alphabetic Code: WI
Numeric Code: 55

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|-------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Adams | 1 | 3 | 0 | 0 | 2 | 0 | 0 |
| 003 | Ashland | 0 | 2 | 0 | 1 | 0 | 0 | 2 |
| 005 | Barron | 1 | 5 | 0 | 1 | 3 | 4 | 6 |
| 007 | Bayfield | 1 | 1 | 0 | 0 | 2 | 0 | 0 |
| 009 | Brown | 21 | 30 | 44 | 21 | 27 | 31 | 40 |
| 011 | Buffalo | 0 | 2 | 0 | 0 | 3 | 0 | 0 |
| 013 | Burnett | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| 015 | Calumet | 21 | 23 | 28 | 24 | 24 | 30 | 31 |
| 017 | Chippewa | 10 | 15 | 31 | 32 | 24 | 22 | 19 |
| 019 | Clark | 3 | 5 | 3 | 2 | 3 | 1 | 2 |
| 021 | Columbia | 6 | 7 | 9 | 6 | 7 | 9 | 6 |
| 023 | Crawford | 2 | 2 | 0 | 0 | 0 | 0 | 1 |
| 025 | Dane | 91 | 139 | 143 | 144 | 141 | 164 | 202 |
| 027 | Dodge | 21 | 22 | 25 | 19 | 24 | 17 | 25 |
| 029 | Door | 3 | 2 | 1 | 3 | 2 | 0 | 2 |
| 031 | Douglas | 0 | 0 | 2 | 1 | 3 | 1 | 2 |
| 033 | Dunn | 6 | 1 | 2 | 3 | 0 | 3 | 5 |
| 035 | Eau Claire | 5 | 5 | 9 | 8 | 11 | 11 | 12 |
| 037 | Florence | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 039 | Fond du Lac | 43 | 19 | 42 | 24 | 16 | 21 | 13 |
| 041 | Forest | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 043 | Grant | 1 | 1 | 0 | 0 | 3 | 1 | 5 |
| 045 | Green | 1 | 3 | 3 | 3 | 5 | 6 | 5 |
| 047 | Green Lake | 1 | 0 | 0 | 3 | 1 | 1 | 1 |
| 049 | Iowa | 2 | 1 | 0 | 1 | 3 | 3 | 3 |
| 051 | Iron | 1 | 0 | 0 | 1 | 1 | 0 | 1 |
| 053 | Jackson | 0 | 0 | 3 | 1 | 0 | 1 | 0 |
| 055 | Jefferson | 16 | 12 | 11 | 11 | 11 | 13 | 11 |
| 057 | Juneau | 0 | 2 | 2 | 2 | 2 | 1 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| WISCONSIN | | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|-----------|-------------|------|------|------|------|------|------|------|------|
| | (continued) | | | | | | | | |
| 059 | Kenosha | 27 | 21 | 14 | 43 | 20 | 43 | 30 | |
| 061 | Keweenaw | 0 | 2 | 0 | 0 | 0 | 0 | 0 | |
| 063 | La Crosse | 8 | 17 | 12 | 19 | 11 | 12 | 23 | |
| 065 | Lafayette | 0 | 0 | 0 | 2 | 1 | 0 | 1 | |
| 067 | Langlade | 1 | 2 | 3 | 0 | 1 | 0 | 0 | |
| 069 | Lincoln | 1 | 1 | 2 | 1 | 2 | 3 | 0 | |
| 071 | Manitowoc | 12 | 23 | 12 | 18 | 20 | 29 | 22 | |
| 073 | Marathon | 21 | 23 | 20 | 25 | 22 | 14 | 19 | |
| 075 | Marinette | 4 | 2 | 2 | 3 | 1 | 1 | 2 | |
| 077 | Marquette | 0 | 0 | 0 | 1 | 2 | 0 | 0 | |
| 078 | Menominee | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 079 | Milwaukee | 126 | 97 | 111 | 124 | 104 | 126 | 146 | |
| 081 | Monroe | 0 | 0 | 4 | 1 | 1 | 1 | 1 | |
| 083 | Oconto | 3 | 4 | 1 | 0 | 0 | 0 | 1 | |
| 085 | Oneida | 1 | 3 | 0 | 1 | 3 | 1 | 1 | |
| 087 | Outagamie | 24 | 23 | 27 | 19 | 15 | 28 | 44 | |
| 089 | Ozaukee | 51 | 36 | 47 | 41 | 72 | 55 | 45 | |
| 091 | Pepin | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 093 | Pierce | 7 | 6 | 4 | 9 | 12 | 14 | 13 | |
| 095 | Polk | 3 | 1 | 5 | 4 | 5 | 5 | 8 | |
| 097 | Portage | 3 | 1 | 7 | 5 | 4 | 1 | 2 | |
| 099 | Price | 2 | 4 | 8 | 3 | 3 | 5 | 8 | |
| 101 | Racine | 61 | 53 | 63 | 38 | 55 | 49 | 50 | |
| 103 | Richland | 1 | 0 | 1 | 1 | 0 | 1 | 0 | |
| 105 | Rock | 31 | 31 | 26 | 27 | 28 | 23 | 32 | |
| 107 | Rusk | 2 | 0 | 1 | 1 | 0 | 1 | 0 | |
| 109 | St. Croix | 28 | 23 | 31 | 44 | 37 | 41 | 54 | |
| 111 | Sauk | 10 | 11 | 11 | 11 | 6 | 8 | 6 | |
| 113 | Sawyer | 1 | 0 | 2 | 0 | 0 | 2 | 2 | |
| 115 | Shawano | 1 | 2 | 4 | 3 | 2 | 1 | 5 | |
| 117 | Sheboygan | 36 | 50 | 38 | 47 | 37 | 41 | 34 | |
| 119 | Taylor | 0 | 1 | 1 | 0 | 0 | 0 | 2 | |
| 121 | Trempealeau | 1 | 1 | 2 | 2 | 0 | 5 | 5 | |
| 123 | Vernon | 0 | 4 | 4 | 2 | 7 | 6 | 1 | |
| 125 | Vilas | 2 | 0 | 2 | 2 | 3 | 0 | 3 | |
| 127 | Walworth | 8 | 14 | 15 | 20 | 14 | 16 | 14 | |
| 129 | Washburn | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| 131 | Washington | 66 | 48 | 49 | 57 | 66 | 61 | 45 | |
| 133 | Waukesha | 168 | 201 | 178 | 191 | 220 | 209 | 210 | |
| 135 | Waupaca | 6 | 7 | 8 | 5 | 6 | 2 | 6 | |
| 137 | Waushara | 3 | 4 | 3 | 1 | 4 | 3 | 2 | |
| 139 | Winnebago | 97 | 71 | 69 | 54 | 59 | 62 | 87 | |
| 141 | Wood | 2 | 5 | 10 | 5 | 9 | 5 | 7 | |
| 999 | UNKNOWN | 0 | 0 | 2 | 0 | 0 | 0 | 0 | |
| | TOTAL | 1075 | 1096 | 1157 | 1143 | 1171 | 1214 | 1326 | |

WYOMING

Alphabetic Code: WY
Numeric Code: 56

| Code | County | Year of Utility Patent Grant | | | | | | |
|------|-------------|------------------------------|------|------|------|------|------|------|
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| 001 | Albany | 2 | 4 | 2 | 6 | 7 | 7 | 3 |
| 003 | Big Horn | 1 | 0 | 1 | 0 | 0 | 2 | 1 |
| 005 | Campbell | 4 | 4 | 4 | 3 | 4 | 3 | 0 |
| 007 | Carbon | 0 | 2 | 1 | 0 | 0 | 2 | 2 |
| 009 | Converse | 0 | 0 | 0 | 0 | 2 | 1 | 1 |
| 011 | Crook | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| 013 | Fremont | 2 | 0 | 3 | 1 | 3 | 2 | 1 |
| 015 | Goshen | 0 | 3 | 1 | 0 | 1 | 1 | 1 |
| 017 | Hot Springs | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| 019 | Johnson | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 021 | Laramie | 1 | 8 | 4 | 5 | 1 | 2 | 6 |
| 023 | Lincoln | 0 | 5 | 2 | 1 | 3 | 3 | 0 |

(continued)

**TABLE 3. UTILITY PATENT GRANTS BY STATE, COUNTY, AND COUNTY EQUIVALENTS,
UNITED STATES AND IT'S POSSESSIONS, 1990-1996**

| WYOMING | (continued) | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---|-------------|------------------------------|-------|-------|-------|-------|-------|-------|
| 025 | Natrona | 5 | 3 | 4 | 5 | 9 | 5 | 2 |
| 027 | Niobrara | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| 029 | Park | 3 | 4 | 1 | 3 | 3 | 6 | 4 |
| 031 | Platte | 1 | 0 | 1 | 0 | 1 | 0 | 2 |
| 033 | Sheridan | 1 | 3 | 0 | 1 | 3 | 4 | 2 |
| 035 | Sublette | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 037 | Sweetwater | 2 | 1 | 4 | 6 | 1 | 4 | 2 |
| 039 | Teton | 1 | 4 | 5 | 1 | 1 | 2 | 2 |
| 041 | Uinta | 2 | 0 | 0 | 0 | 2 | 2 | 3 |
| 043 | Washakie | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 045 | Weston | 1 | 0 | 0 | 0 | 1 | 1 | 1 |
| 999 | UNKNOWN | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | TOTAL | 28 | 43 | 35 | 35 | 43 | 49 | 34 |
| | | Year of Utility Patent Grant | | | | | | |
| | | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| TOTAL U.S. COUNTIES | | 47483 | 51287 | 52348 | 53319 | 56132 | 55813 | 61172 |
| U.S. TERRITORIES AND POSSESSIONS | | | | | | | | |
| U.S. PACIFIC ISLANDS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GUAM | | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| PUERTO RICO | | 13 | 17 | 19 | 16 | 24 | 22 | 23 |
| U.S. VIRGIN ISLANDS | | 2 | 3 | 1 | 3 | 2 | 1 | 1 |
| OTHER U.S. | | 0 | 2 | 6 | 2 | 2 | 0 | 3 |
| | TOTAL | 15 | 23 | 26 | 22 | 28 | 23 | 28 |
| TOTAL, U.S. | | 47498 | 51310 | 52374 | 53341 | 56160 | 55836 | 61200 |

Note: State and national totals may differ slightly from other published data due to cumulative rounding error (approximately two-tenths of one percent).